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TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 NOV 21 CAS patent coverage to include exemplified prophetic  
substances identified in English-, French-, German-,  
and Japanese-language basic patents from 2004-present  
NEWS 3 NOV 26 MARPAT enhanced with FSORT command  
NEWS 4 NOV 26 CHEMSAFE now available on STN Easy  
NEWS 5 NOV 26 Two new SET commands increase convenience of STN  
searching  
NEWS 6 DEC 01 ChemPort single article sales feature unavailable  
NEWS 7 DEC 12 GBFULL now offers single source for full-text  
coverage of complete UK patent families  
NEWS 8 DEC 17 Fifty-one pharmaceutical ingredients added to PS  
NEWS 9 JAN 06 The retention policy for unread STNmail messages  
will change in 2009 for STN-Columbus and STN-Tokyo  
NEWS 10 JAN 07 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent  
Classification Data

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:05:41 ON 21 JAN 2009

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 16:05:50 ON 21 JAN 2009  
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STRUCTURE FILE UPDATES: 20 JAN 2009 HIGHEST RN 1094597-78-0  
DICTIONARY FILE UPDATES: 20 JAN 2009 HIGHEST RN 1094597-78-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

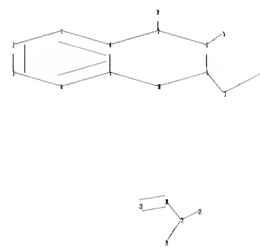
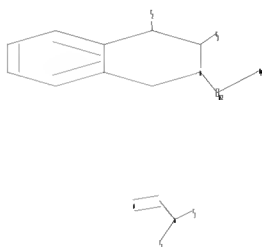
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10596546.str



```

chain nodes :
11 12 16 19 20 21 22 23 25
ring nodes :
1 2 3 4 5 6 7 8 9 10
chain bonds :
7-19 8-16 9-11 11-12 20-21 20-22 22-23 22-25
ring bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-10 7-8 8-9 9-10
exact/norm bonds :
4-7 5-10 7-8 7-19 8-9 8-16 9-10 9-11 11-12 20-21 20-22 22-23 22-25
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :
```

G1:H,Ak

G2:H,CH3,Et

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:CLASS 12:Atom 16:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS  
25:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 16:06:10 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 796539 TO ITERATE

86.8% PROCESSED	691157 ITERATIONS	6860 ANSWERS
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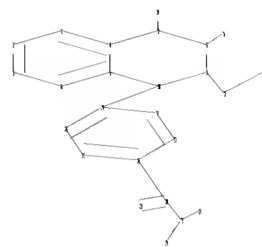
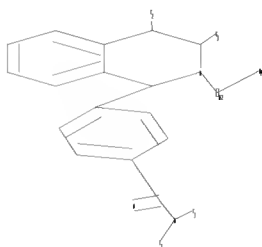
96.2% PROCESSED	765903 ITERATIONS	6876 ANSWERS
-----------------	-------------------	--------------

100.0% PROCESSED	796539 ITERATIONS	6880 ANSWERS
SEARCH TIME: 00.00.36		

L2 6880 SEA SSS FUL L1

=>

Uploading C:\Program Files\Stnexp\Queries\10596546a.str



```

chain nodes :
11 12 16 19 20 21 22 23 25
ring nodes :
1 2 3 4 5 6 7 8 9 10 26 27 28 29 30 31
chain bonds :
7-19 8-16 9-11 10-29 11-12 20-21 20-22 20-26 22-23 22-25
ring bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-10 7-8 8-9 9-10 26-27 26-31 27-28 28-29
29-30 30-31
exact/norm bonds :
4-7 5-10 7-8 7-19 8-9 8-16 9-10 9-11 11-12 20-21 20-22 22-23 22-25
exact bonds :
10-29 20-26
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 26-27 26-31 27-28 28-29 29-30 30-31
isolated ring systems :
containing 1 : 26 :

```

G1:H,Ak

G2:H,CH3,Et

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:CLASS 12:Atom 16:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS  
25:CLASS 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom

L3           STRUCTURE UPLOADED

=> d l3

L3 HAS NO ANSWERS

L3                   STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s l3 full

FULL SEARCH INITIATED 16:09:05 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 56141 TO ITERATE

100.0% PROCESSED      56141 ITERATIONS

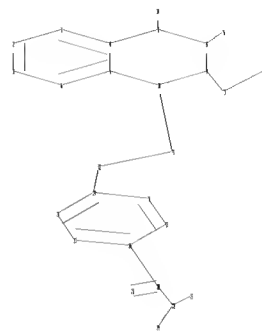
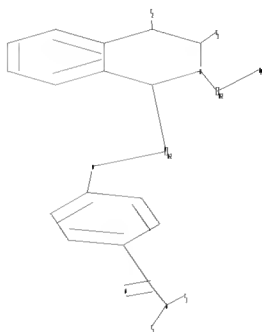
92 ANSWERS

SEARCH TIME: 00.00.02

L4                   92 SEA SSS FUL L3

=>

Uploading C:\Program Files\Stnexp\Queries\10596546b.str



```

chain nodes :
11 12 16 19 20 21 22 23 25 32 33
ring nodes :
1 2 3 4 5 6 7 8 9 10 26 27 28 29 30 31
chain bonds :
7-19 8-16 9-11 10-33 11-12 20-21 20-22 20-26 22-23 22-25 29-32 32-33
ring bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-10 7-8 8-9 9-10 26-27 26-31 27-28 28-29
29-30 30-31
exact/norm bonds :
4-7 5-10 7-8 7-19 8-9 8-16 9-10 9-11 11-12 20-21 20-22 22-23 22-25
29-32 32-33
exact bonds :
10-33 20-26
normalized bonds :

```

1-2 1-6 2-3 3-4 4-5 5-6 26-27 26-31 27-28 28-29 29-30 30-31  
isolated ring systems :  
containing 1 : 26 :

G1:H,Ak

G2:H,CH3,Et

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:CLASS 12:Atom 16:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS  
25:CLASS 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:CLASS 33:CLASS

L5 STRUCTURE UPLOADED

=> s l5 full

FULL SEARCH INITIATED 16:10:47 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 3770 TO ITERATE

100.0% PROCESSED 3770 ITERATIONS

3 ANSWERS

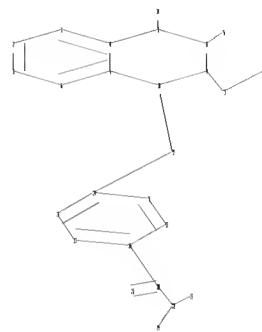
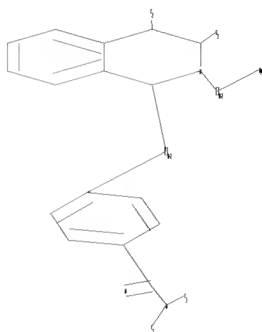
SEARCH TIME: 00.00.01

L6 3 SEA SSS FUL L5

=>

Uploading C:\Program Files\Stnexp\Queries\10596546c.str





```

chain nodes :
11 12 16 19 20 21 22 23 25 32
ring nodes :
1 2 3 4 5 6 7 8 9 10 26 27 28 29 30 31
chain bonds :
7-19 8-16 9-11 10-32 11-12 20-21 20-22 20-26 22-23 22-25 29-32
ring bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-10 7-8 8-9 9-10 26-27 26-31 27-28 28-29
29-30 30-31
exact/norm bonds :
4-7 5-10 7-8 7-19 8-9 8-16 9-10 9-11 11-12 20-21 20-22 22-23 22-25
exact bonds :
10-32 20-26 29-32
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 26-27 26-31 27-28 28-29 29-30 30-31

```

isolated ring systems :  
containing 1 : 26 :

G1:H,Ak

G2:H,CH3,Et

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:CLASS 12:Atom 16:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS  
25:CLASS 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:CLASS

L7           STRUCTURE UPLOADED

=> s 17 full

FULL SEARCH INITIATED 16:12:05 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED -     24120 TO ITERATE

100.0% PROCESSED     24120 ITERATIONS                   94 ANSWERS  
SEARCH TIME: 00.00.03

L8           94 SEA SSS FUL L7

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	746.88	747.10

FILE 'CAPLUS' ENTERED AT 16:12:33 ON 21 JAN 2009  
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FILE COVERS 1907 - 21 Jan 2009 VOL 150 ISS 4  
FILE LAST UPDATED: 20 Jan 2009 (20090120/ED)

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<http://www.cas.org/legal/infopolicy.html>

=> s 14 full

L9           1 L4

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=> s 16 full  
L10          1 L6
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=> s 18 full  
L11          1 L8
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=> d ibib abs hitstr tot 19
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L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:588939 CAPLUS  
DOCUMENT NUMBER: 143:115459  
TITLE: Preparation of tetrahydroisoquinoline derivatives as  $\delta$  receptor ligands  
INVENTOR(S): Ripper, Justin; Janssen, Christian; Jenkins, Ian; Le Van, Phuc; Quinn, Ron  
PATENT ASSIGNEE(S): Astrazeneca AB, Swed.  
SOURCE: PCT Int. Appl., 181 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005061484	A1	20050707	WO 2004-SE1939	20041220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004303736	A1	20050707	AU 2004-303736	20041220
AU 2004303736	B2	20080515		
CA 2550643	A1	20050707	CA 2004-2550643	20041220
EP 1699779	A1	20060913	EP 2004-809112	20041220
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR, IS				
CN 1918147	A	20070221	CN 2004-80041965	20041220
BR 2004017936	A	20070417	BR 2004-17936	20041220
JP 2007515477	T	20070614	JP 2006-546907	20041220
IN 2006DN03163	A	20070824	IN 2006-DN3163	20060602
MX 2006PA07040	A	20060831	MX 2006-PA7040	20060619
NO 2006003353	A	20060906	NO 2006-3353	20060719
KR 2006127903	A	20061213	KR 2006-714795	20060721
PRIORITY APPLN. INFO.:			SE 2003-3542	A 20031222
			WO 2004-SE1939	W 20041220

OTHER SOURCE(S): CASREACT 143:115459; MARPAT 143:115459

GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Title compds. I [R1 = H, alkyl; R2 and R3 independently = H, alkyl; R4, R5, R6 and R7 independently = H, OH, halo, etc. or any two adjacent groups selected from R4, R5, R6 and R7 form a portion of a 5-6 membered ring; E = (un)substituted 5-membered heterocycle; D = divalent group comprising a benzene ring] and their pharmaceutically acceptable salts, are prepared and disclosed as  $\delta$  receptor ligands. Thus, e.g., II was prepared by reductive alkylation of 2-[(6,7-dimethoxy-1,2,3,4-tetrahydroisoquinolin-1-yl)methoxy]-N,N-diethylbenzamide (preparation given) with 2-furaldehyde. The activity of I was evaluated in binding assays towards  $\delta$  receptor and it was found that most compds. of the invention displayed IC50 values

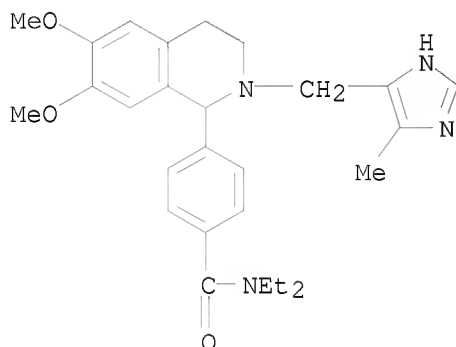
below 1000 nM. I as ligands of  $\delta$  receptor should prove useful in the treatment of pain. Pharmaceutical compns. comprising I are disclosed.

IT 857251-29-7P 857251-31-1P 857251-76-4P

RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PYP (Physical process); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses) (preparation of 1,2,3,4-tetrahydroisoquinoline derivs. as  $\delta$  receptor ligands)

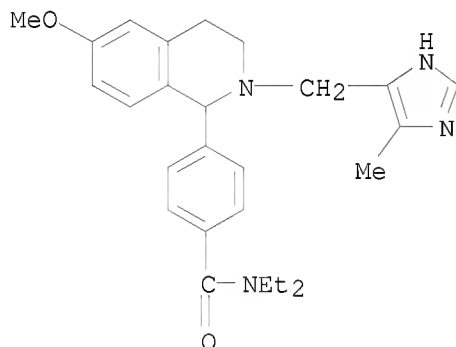
RN 857251-29-7 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



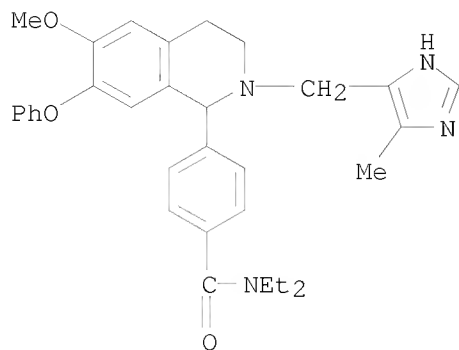
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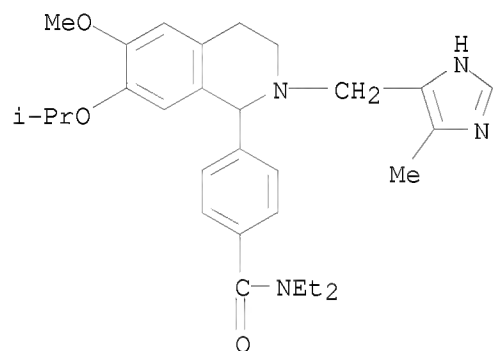


RN 857251-76-4 CAPLUS

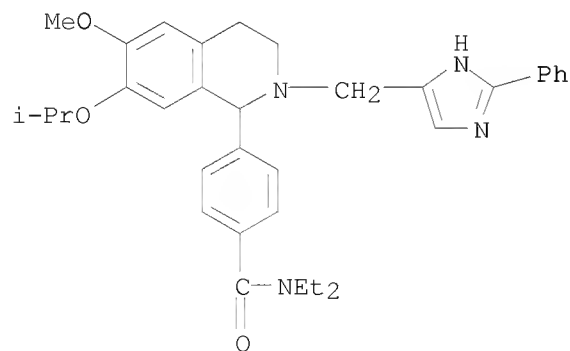
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IT 857251-49-1P 857251-52-6P 857251-53-7P  
 857251-85-5P 857251-90-2P  
 RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PYP (Physical process); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)  
 (preparation of 1,2,3,4-tetrahydroisoquinoline derivs. as  $\delta$  receptor ligands)  
 RN 857251-49-1 CAPLUS  
 CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-7-(1-methylethoxy)-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

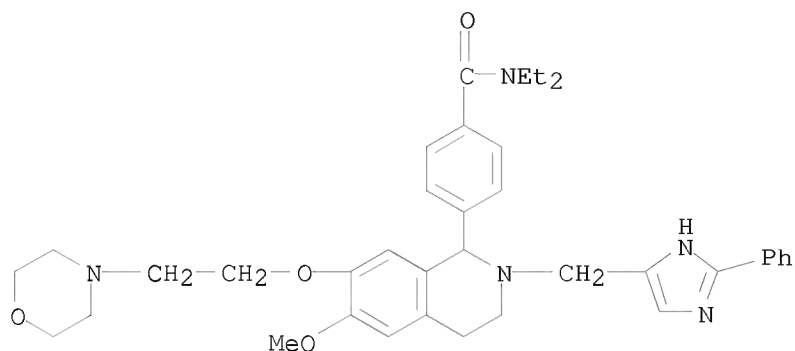


RN 857251-52-6 CAPLUS  
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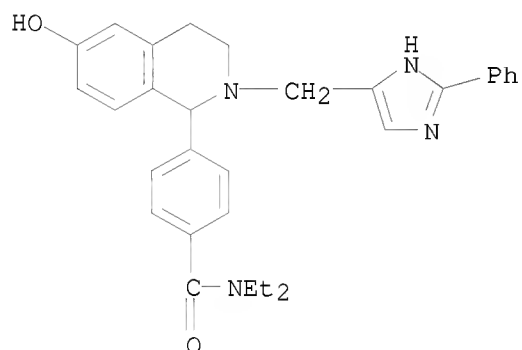
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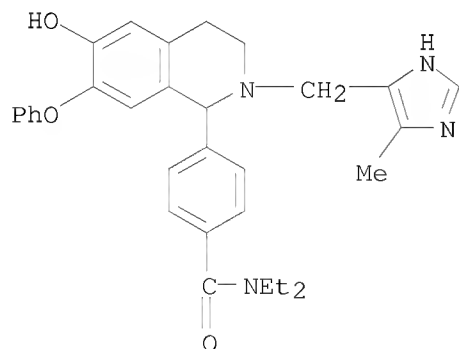
RN 857251-85-5 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-hydroxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



RN 857251-90-2 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-hydroxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-phenoxy-1-isoquinolinyl]- (CA INDEX NAME)



IT 857251-96-8P 857251-97-9P 857251-98-0P  
857251-99-1P 857252-00-7P 857252-01-8P  
857252-02-9P 857252-03-0P 857252-04-1P  
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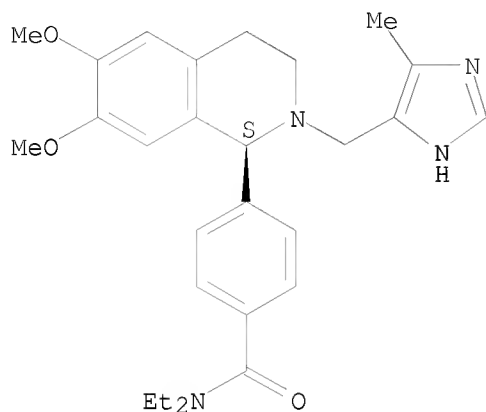
RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 1,2,3,4-tetrahydroisoquinoline derivs. as  $\delta$  receptor ligands)

RN 857251-96-8 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1S)-1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

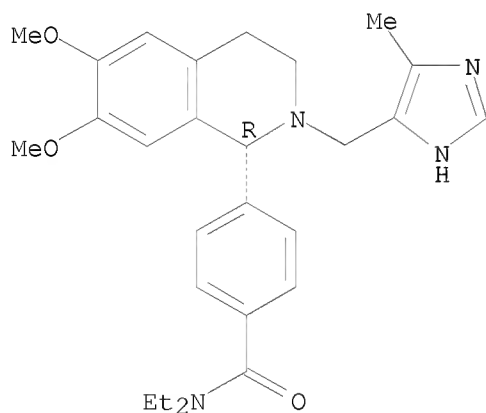
Absolute stereochemistry.



RN 857251-97-9 CAPLUS

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Absolute stereochemistry.

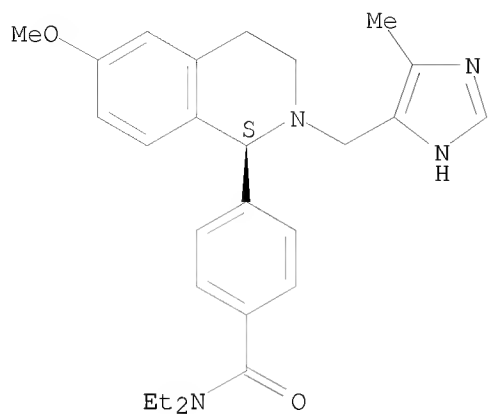


RN 857251-98-0 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1S)-1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

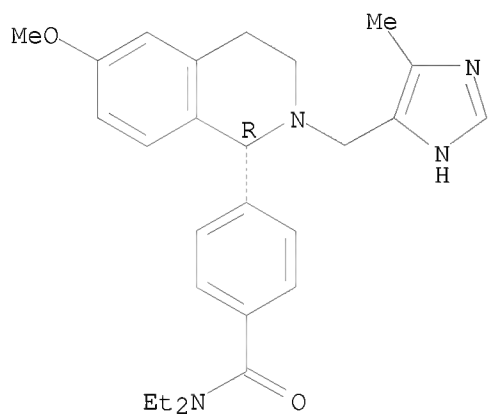




RN 857251-99-1 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1R)-1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

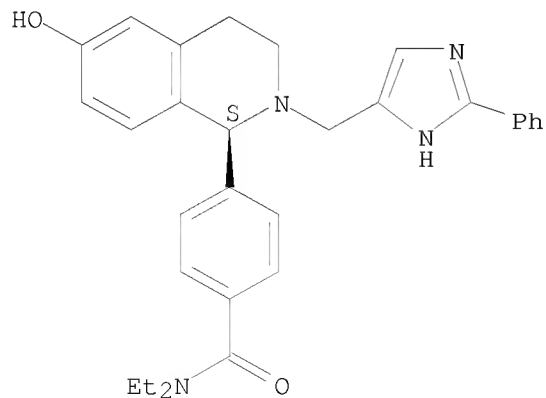
Absolute stereochemistry. Rotation (-).



RN 857252-00-7 CAPLUS

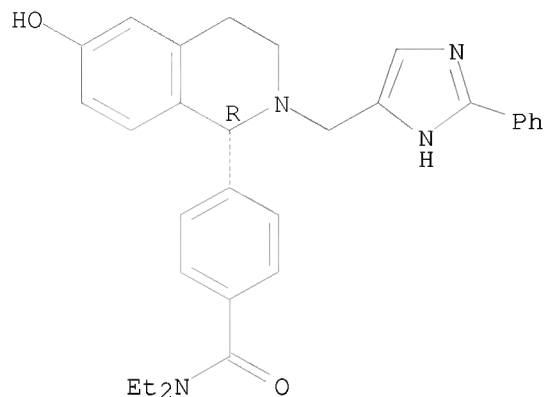
CN Benzamide, N,N-diethyl-4-[(1S)-1,2,3,4-tetrahydro-6-methoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



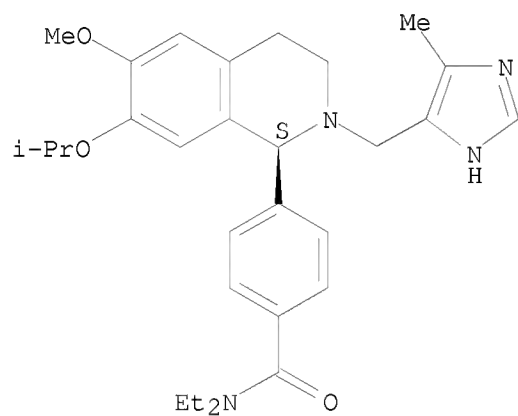
RN 857252-01-8 CAPLUS  
CN Benzamide, N,N-diethyl-4-[(1R)-1,2,3,4-tetrahydro-6-hydroxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



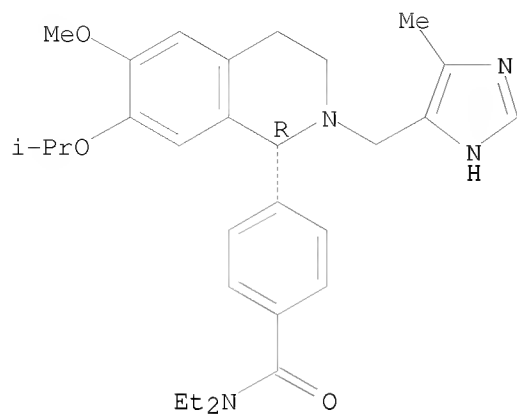
RN 857252-02-9 CAPLUS  
CN Benzamide, N,N-diethyl-4-[(1S)-1,2,3,4-tetrahydro-6-methoxy-7-(1-methylethoxy)-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 857252-03-0 CAPLUS  
CN Benzamide, N,N-diethyl-4-[(1R)-1,2,3,4-tetrahydro-6-methoxy-7-(1-methylethoxy)-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

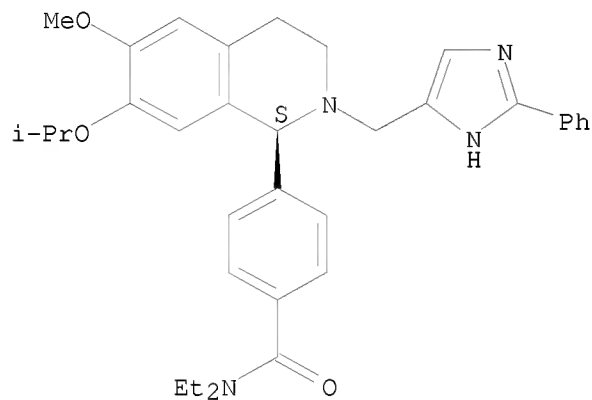
Absolute stereochemistry. Rotation (-).



RN 857252-04-1 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1S)-1,2,3,4-tetrahydro-6-methoxy-7-(1-methylethoxy)-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

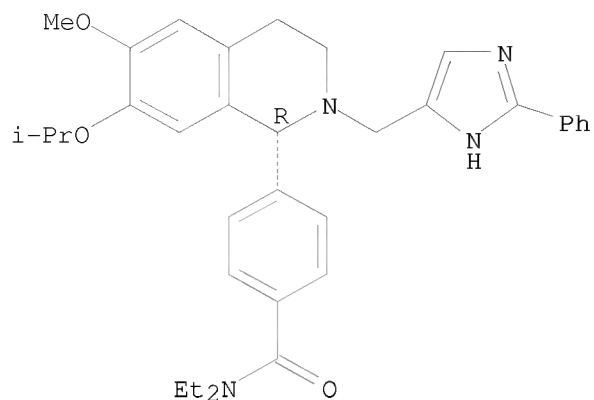
Absolute stereochemistry. Rotation (+).



RN 857252-05-2 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1R)-1,2,3,4-tetrahydro-6-methoxy-7-(1-methylethoxy)-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

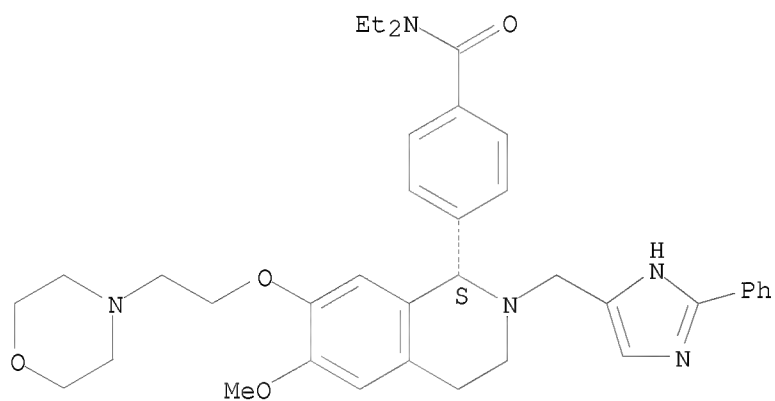
Absolute stereochemistry. Rotation (-).



RN 857252-06-3 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1S)-1,2,3,4-tetrahydro-6-methoxy-7-[2-(4-morpholinyl)ethoxy]-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyll]-  
(CA INDEX NAME)

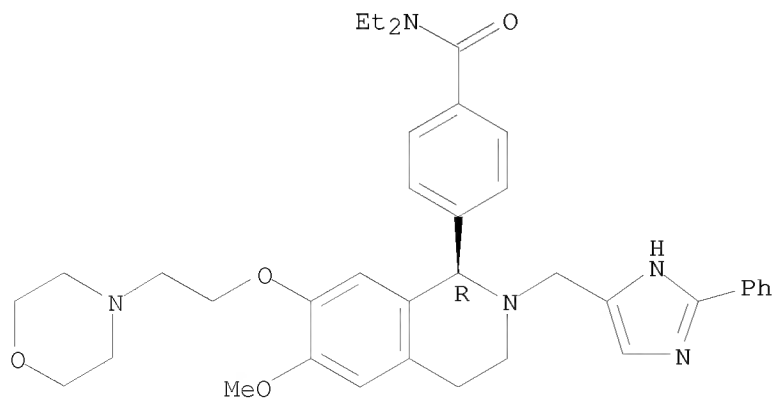
Absolute stereochemistry. Rotation (+).



RN 857252-07-4 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1R)-1,2,3,4-tetrahydro-6-methoxy-7-[2-(4-morpholinyl)ethoxy]-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyll]-  
(CA INDEX NAME)

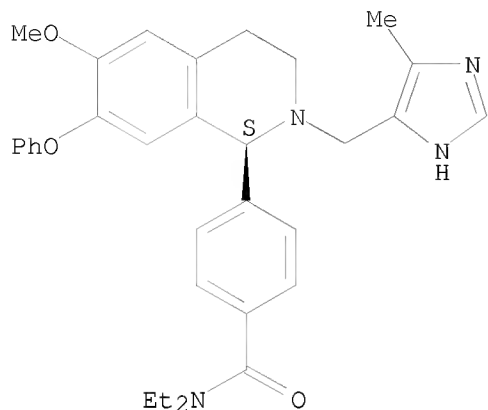
Absolute stereochemistry. Rotation (-).



RN 857252-08-5 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1S)-1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-phenoxy-1-isoquinolinyl]- (CA INDEX NAME)

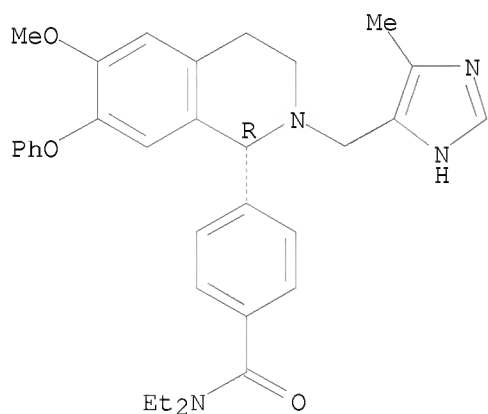
Absolute stereochemistry. Rotation (+).



RN 857252-09-6 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1R)-1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-phenoxy-1-isoquinolinyl]- (CA INDEX NAME)

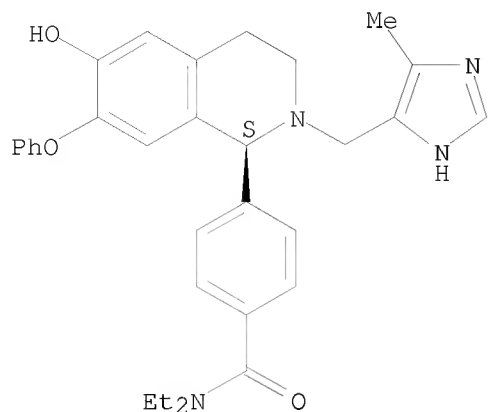
Absolute stereochemistry. Rotation (-).



RN 857252-10-9 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1S)-1,2,3,4-tetrahydro-6-hydroxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-phenoxy-1-isoquinolinyl]- (CA INDEX NAME)

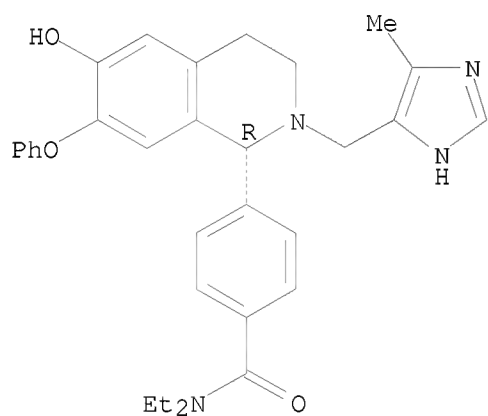
Absolute stereochemistry.



RN 857252-11-0 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1R)-1,2,3,4-tetrahydro-6-hydroxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-phenoxy-1-isoquinolinyl]- (CA INDEX NAME)

Absolute stereochemistry.

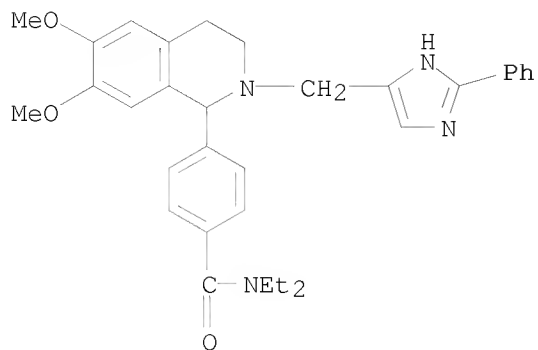


IT 857251-19-5P 857251-20-8P 857251-21-9P  
857251-36-6P 857251-54-8P 857251-75-3P  
857251-77-5P 857251-78-6P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of 1,2,3,4-tetrahydroisoquinoline derivs. as  $\delta$  receptor ligands)

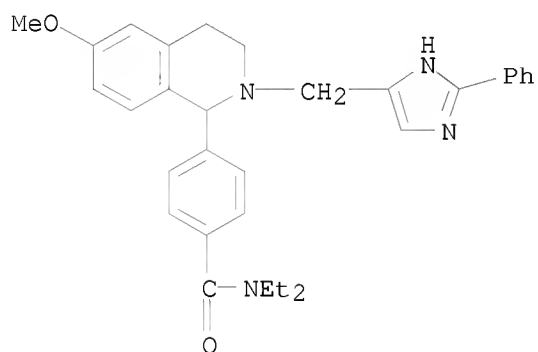
RN 857251-19-5 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



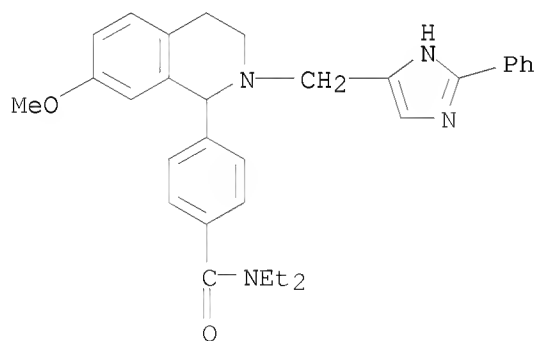
RN 857251-20-8 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



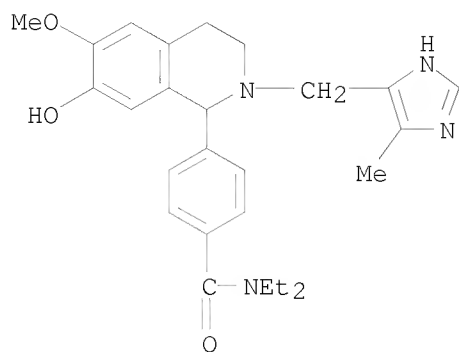
RN 857251-21-9 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-7-methoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



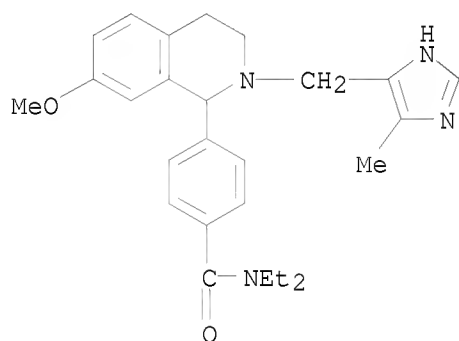
RN 857251-36-6 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-7-hydroxy-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



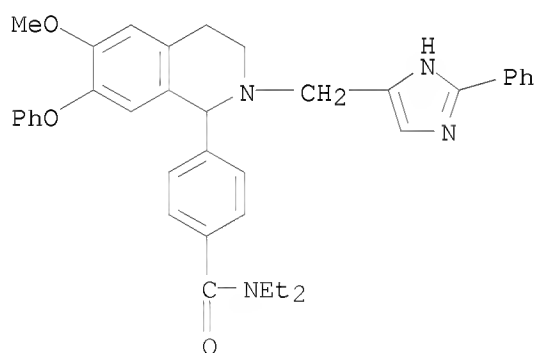
RN 857251-54-8 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-7-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



RN 857251-75-3 CAPLUS

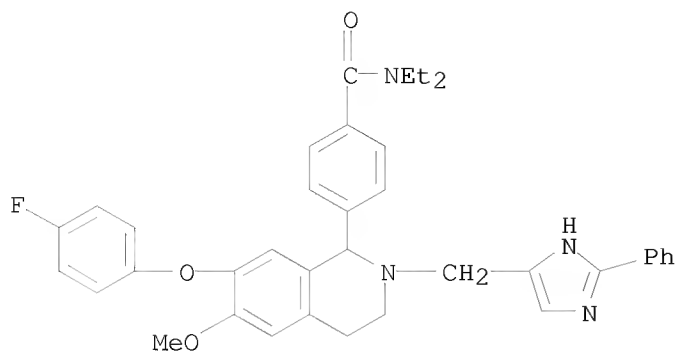
CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-7-phenoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



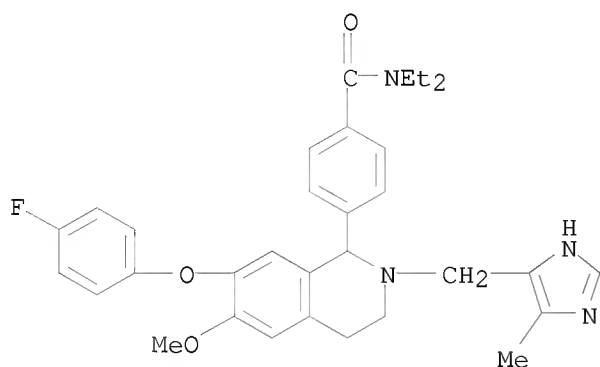
RN 857251-77-5 CAPLUS

CN Benzamide, N,N-diethyl-4-[7-(4-fluorophenoxy)-1,2,3,4-tetrahydro-6-methoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)





RN 857251-78-6 CAPLUS  
 CN Benzamide, N,N-diethyl-4-[7-(4-fluorophenoxy)-1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

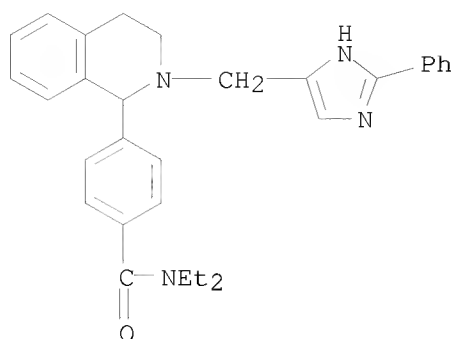


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 857251-33-3P 857251-34-4P 857251-35-5P  
 857251-37-7P 857251-38-8P 857251-39-9P  
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 857251-92-4P 857251-93-5P 857251-94-6P  
 857251-95-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

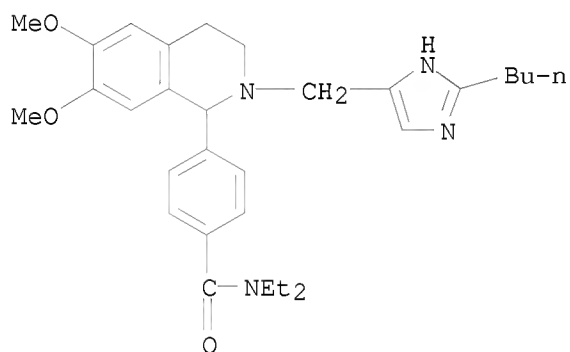
(preparation of 1,2,3,4-tetrahydroisoquinoline derivs. as  $\delta$  receptor ligands)

RN 857251-22-0 CAPLUS  
 CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



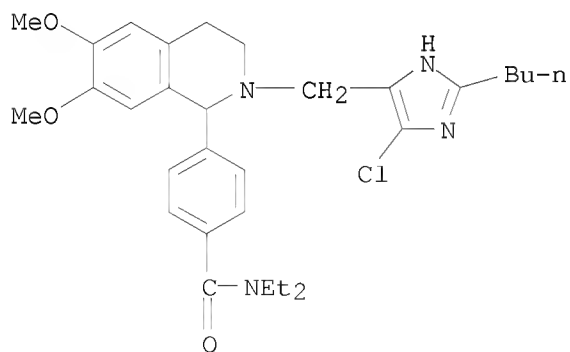
RN 857251-23-1 CAPLUS

CN Benzamide, 4-[2-[(2-butyl-1H-imidazol-5-yl)methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



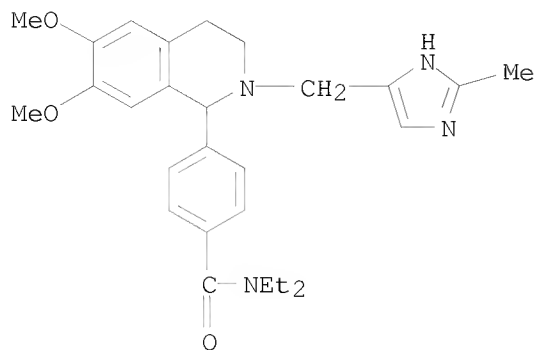
RN 857251-24-2 CAPLUS

CN Benzamide, 4-[2-[(2-butyl-5-chloro-1H-imidazol-4-yl)methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



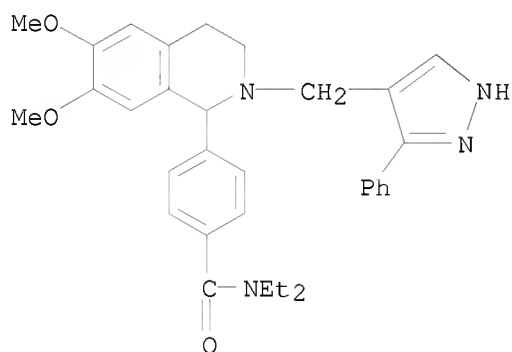
RN 857251-25-3 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(2-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



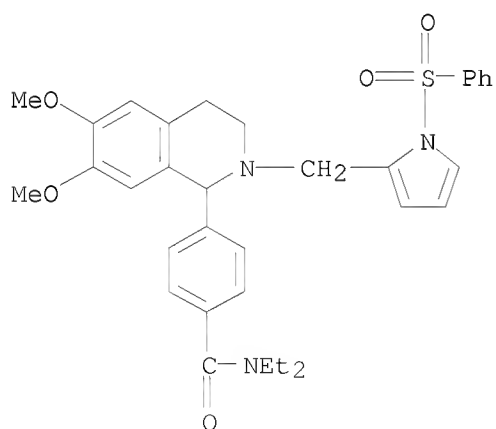
RN 857251-26-4 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(3-phenyl-1H-pyrazol-4-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



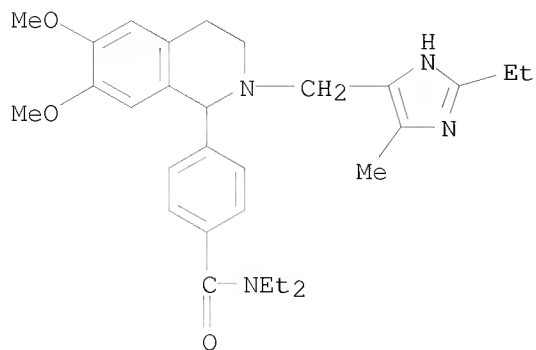
RN 857251-27-5 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[[1-(phenylsulfonyl)-1H-pyrrol-2-yl]methyl]-1-isoquinolinyl]- (CA INDEX NAME)



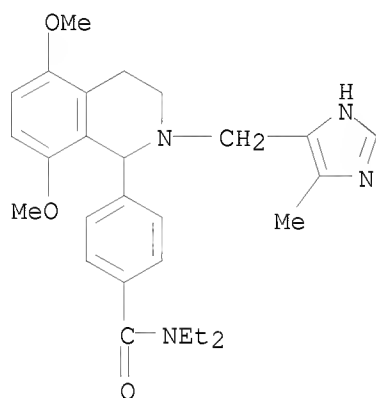
RN 857251-28-6 CAPLUS

CN Benzamide, N,N-diethyl-4-[2-[(2-ethyl-4-methyl-1H-imidazol-5-yl)methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-1-isoquinolinyl]- (CA INDEX NAME)



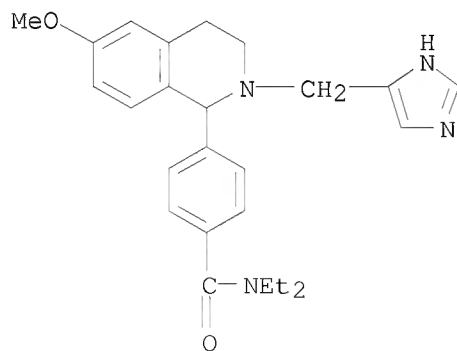
RN 857251-30-0 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-5,8-dimethoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



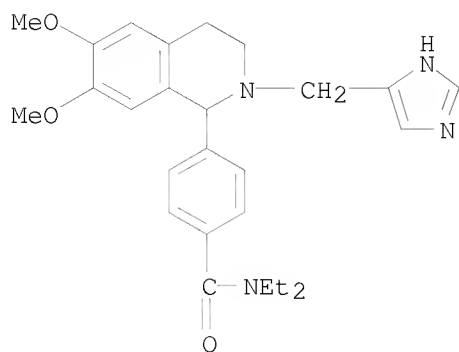
RN 857251-32-2 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-2-(1H-imidazol-5-ylmethyl)-6-methoxy-1-isoquinolinyl]- (CA INDEX NAME)



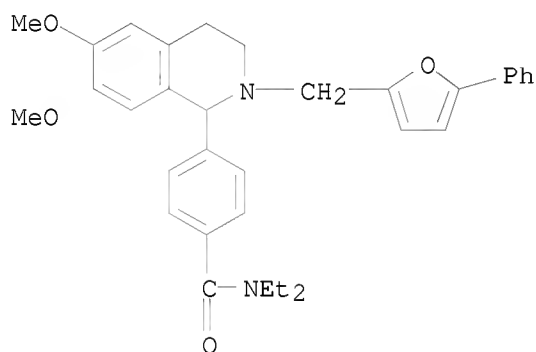
RN 857251-33-3 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-2-(1H-imidazol-5-ylmethyl)-6,7-dimethoxy-1-isoquinolinyl]- (CA INDEX NAME)



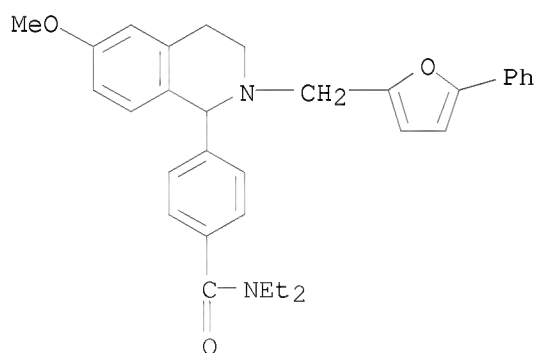
RN 857251-34-4 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(5-phenyl-2-furanyl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



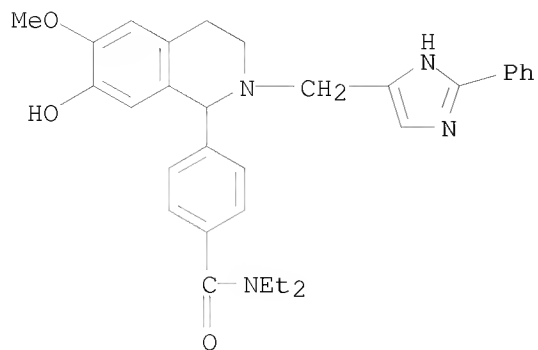
RN 857251-35-5 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(5-phenyl-2-furanyl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



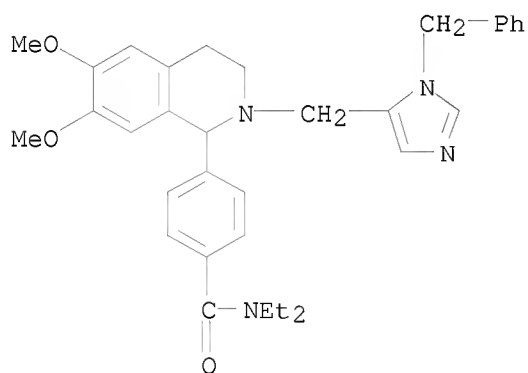
RN 857251-37-7 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-7-hydroxy-6-methoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



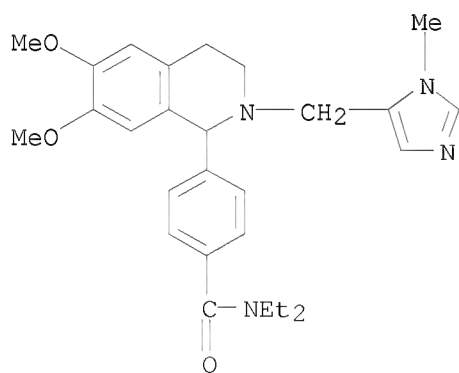
RN 857251-38-8 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[[1-(phenylmethyl)-1H-imidazol-5-yl]methyl]-1-isoquinolinyl]- (CA INDEX NAME)



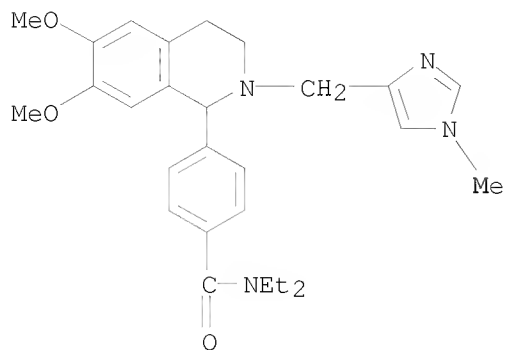
RN 857251-39-9 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(1-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



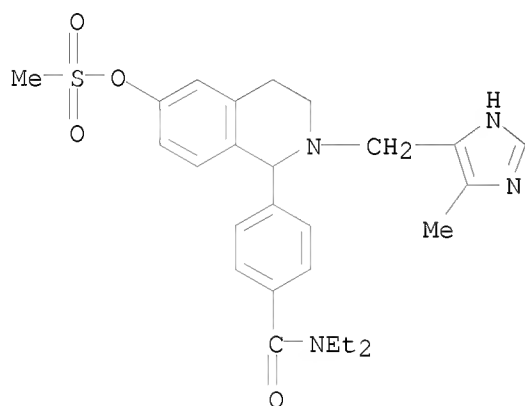
RN 857251-40-2 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(1-methyl-1H-imidazol-4-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



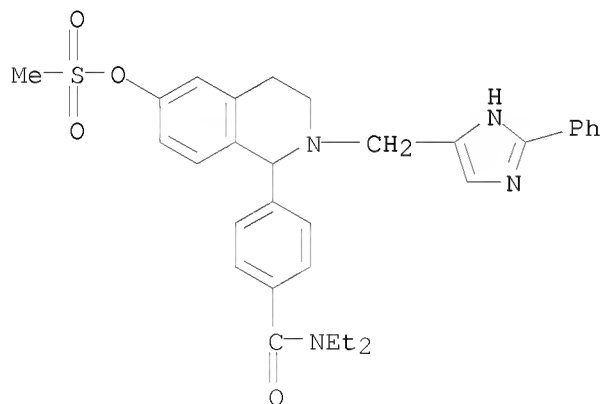
RN 857251-43-5 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-2-[(4-methyl-1H-imidazol-5-yl)methyl]-6-[(methylsulfonyl)oxy]-1-isoquinolinyl]- (CA INDEX NAME)



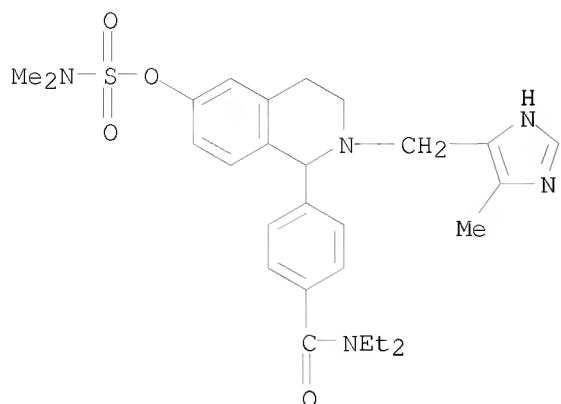
RN 857251-44-6 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-[(methylsulfonyl)oxy]-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

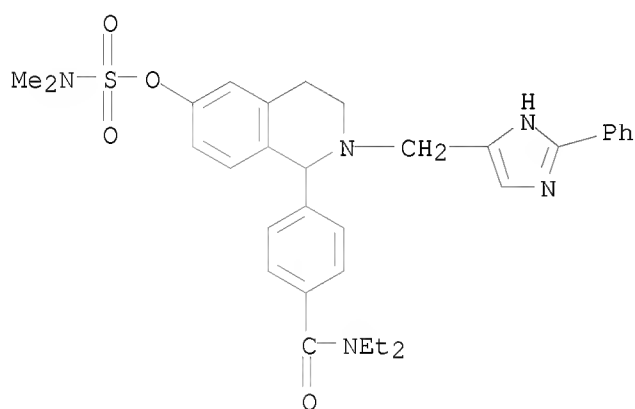


RN 857251-45-7 CAPLUS

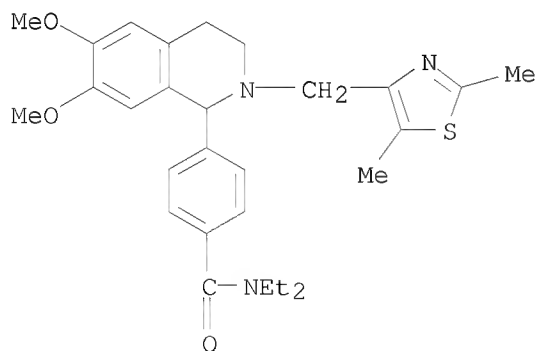
CN Sulfamic acid, N,N-dimethyl-, 1-[4-[(diethylamino)carbonyl]phenyl]-1,2,3,4-tetrahydro-2-[(4-methyl-1H-imidazol-5-yl)methyl]-6-isoquinolinyl ester (CA INDEX NAME)



RN 857251-46-8 CAPLUS  
 CN Sulfamic acid, N,N-dimethyl-, 1-[4-[(diethylamino)carbonyl]phenyl]-1,2,3,4-tetrahydro-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-6-isoquinolinyl ester (CA INDEX NAME)

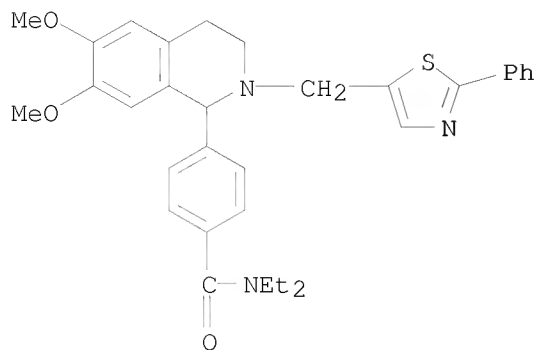


RN 857251-47-9 CAPLUS  
 CN Benzamide, 4-[2-[(2,5-dimethyl-4-thiazolyl)methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)

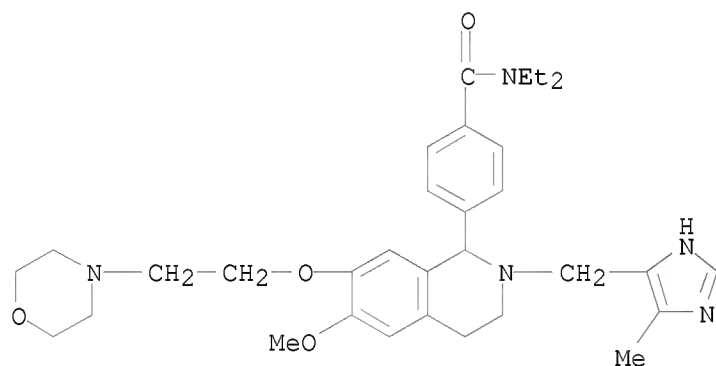


RN 857251-48-0 CAPLUS  
 CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(2-phenyl-5-thiazolyl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

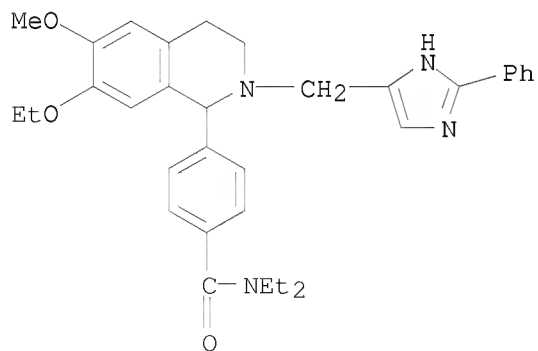




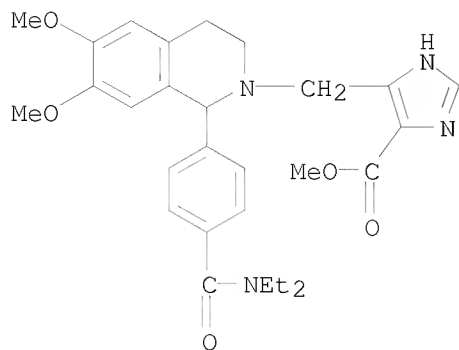
RN 857251-50-4 CAPLUS  
 CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-[2-(4-morpholinyl)ethoxy]-1-isoquinolinyl]- (CA INDEX NAME)



RN 857251-51-5 CAPLUS  
 CN Benzamide, 4-[7-ethoxy-1,2,3,4-tetrahydro-6-methoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)

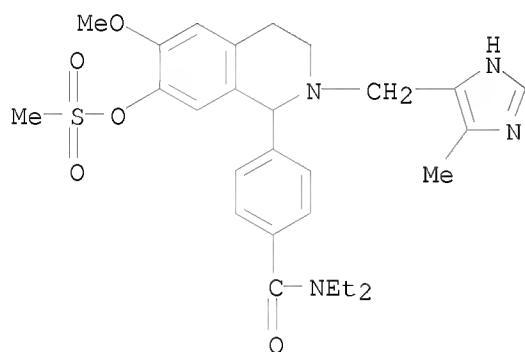


RN 857251-55-9 CAPLUS  
 CN 1H-Imidazole-5-carboxylic acid, 4-[[1-[4-[(diethylamino)carbonyl]phenyl]-3,4-dihydro-6,7-dimethoxy-2(1H)-isoquinolinyl]methyl]-, methyl ester (CA INDEX NAME)



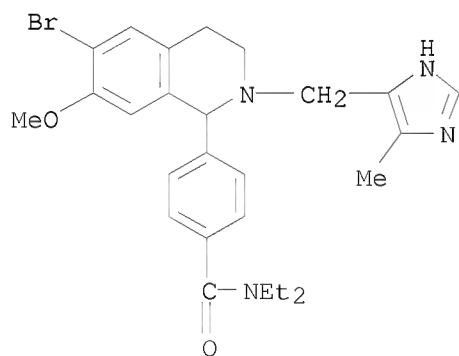
RN 857251-56-0 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-[(methylsulfonyl)oxy]-1-isoquinolinyl]- (CA INDEX NAME)



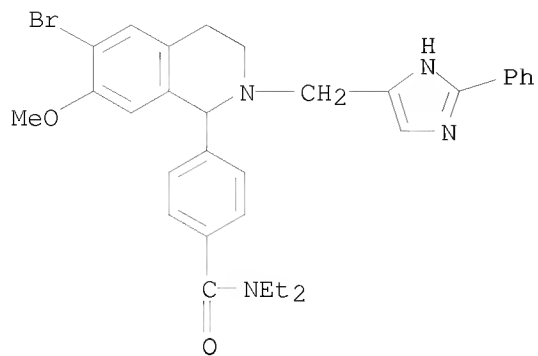
RN 857251-59-3 CAPLUS

CN Benzamide, 4-[6-bromo-1,2,3,4-tetrahydro-7-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



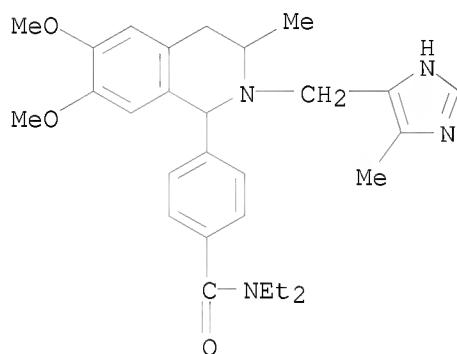
RN 857251-60-6 CAPLUS

CN Benzamide, 4-[6-bromo-1,2,3,4-tetrahydro-7-methoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



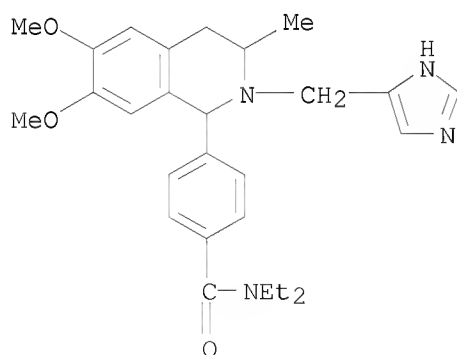
RN 857251-61-7 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-3-methyl-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



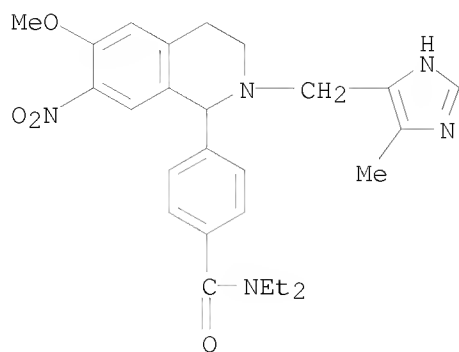
RN 857251-62-8 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-2-(1H-imidazol-5-ylmethyl)-6,7-dimethoxy-3-methyl-1-isoquinolinyl]- (CA INDEX NAME)



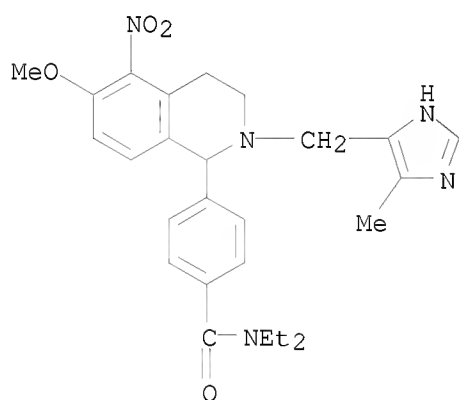
RN 857251-63-9 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-nitro-1-isoquinolinyl]- (CA INDEX NAME)



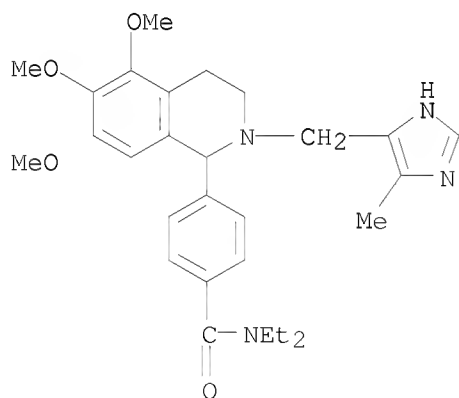
RN 857251-64-0 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-5-nitro-1-isoquinolinyl]- (CA INDEX NAME)



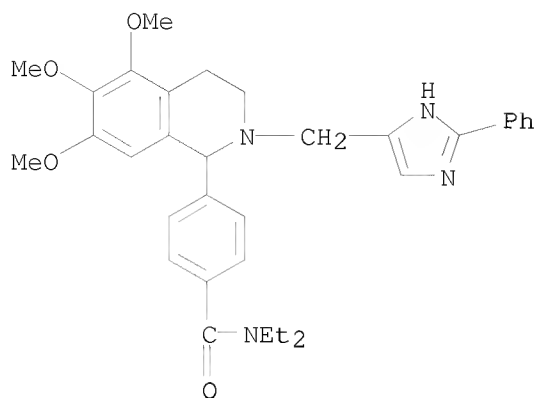
RN 857251-67-3 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-5,6,7-trimethoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



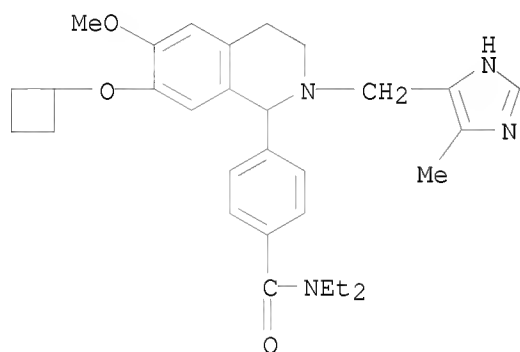
RN 857251-68-4 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-5,6,7-trimethoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



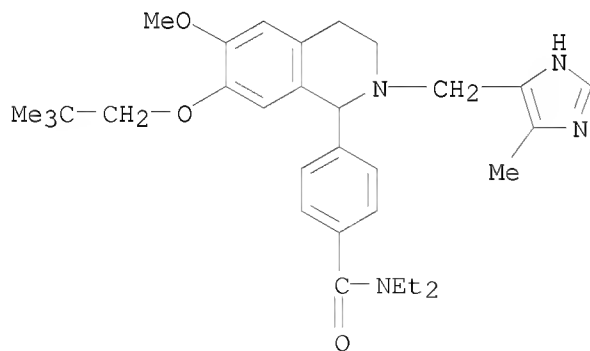
RN 857251-69-5 CAPLUS

CN Benzamide, 4-[7-(cyclobutyloxy)-1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



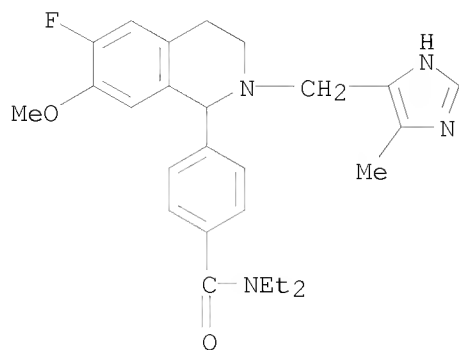
RN 857251-70-8 CAPLUS

CN Benzamide, 4-[7-(2,2-dimethylpropoxy)-1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



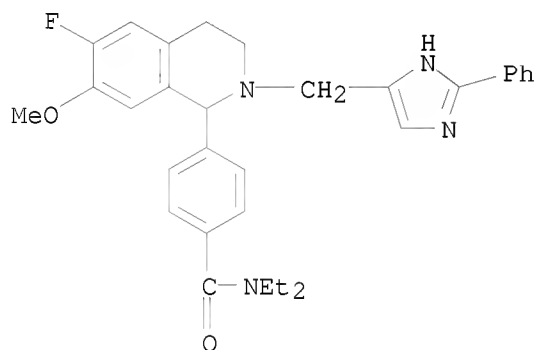
RN 857251-71-9 CAPLUS

CN Benzamide, N,N-diethyl-4-[6-fluoro-1,2,3,4-tetrahydro-7-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



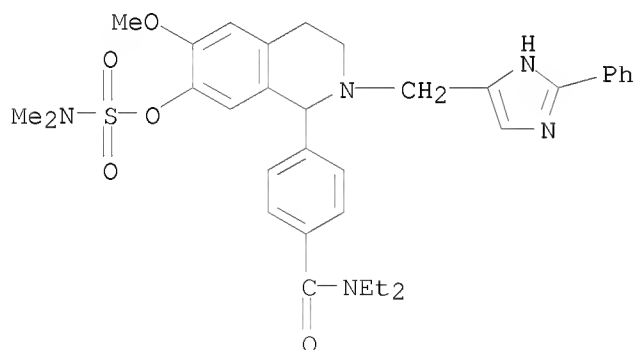
RN 857251-72-0 CAPLUS

CN Benzamide, N,N-diethyl-4-[6-fluoro-1,2,3,4-tetrahydro-7-methoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



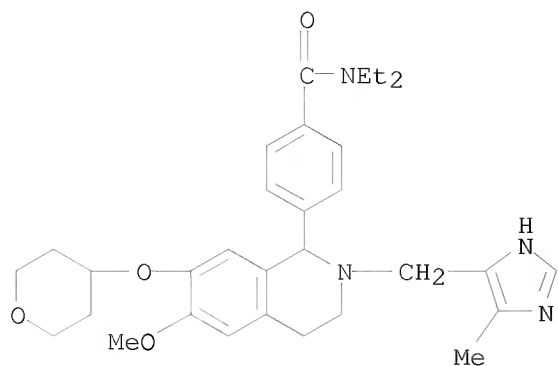
RN 857251-73-1 CAPLUS

CN Sulfamic acid, N,N-dimethyl-, 1-[4-[(diethylamino)carbonyl]phenyl]-1,2,3,4-tetrahydro-6-methoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-7-isoquinolinyl ester (CA INDEX NAME)



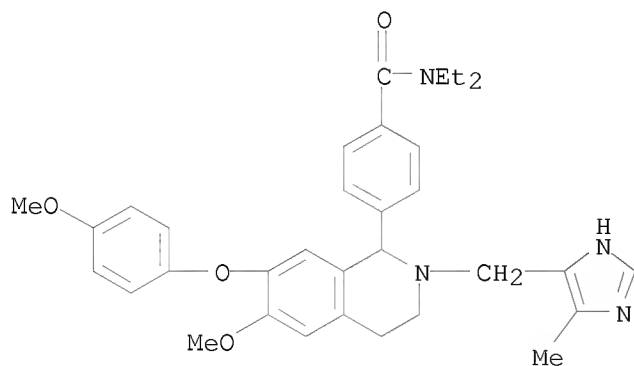
RN 857251-74-2 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-[(tetrahydro-2H-pyran-4-yl)oxy]-1-isoquinolinyl]- (CA INDEX NAME)



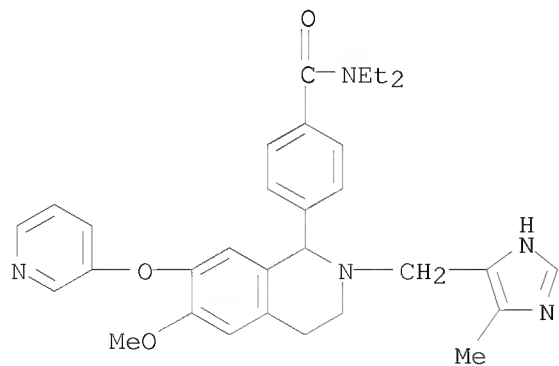
RN 857251-79-7 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-7-(4-methoxyphenoxy)-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]-(CA INDEX NAME)



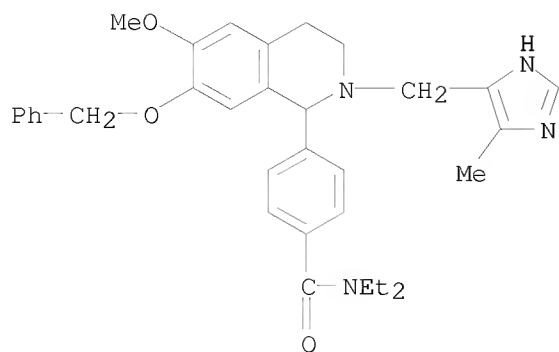
RN 857251-80-0 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-(3-pyridinyloxy)-1-isoquinolinyl]-(CA INDEX NAME)



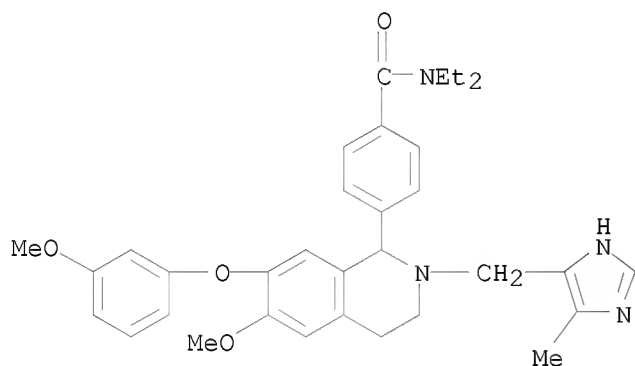
RN 857251-81-1 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-(phenylmethoxy)-1-isoquinolinyl]-(CA INDEX NAME)



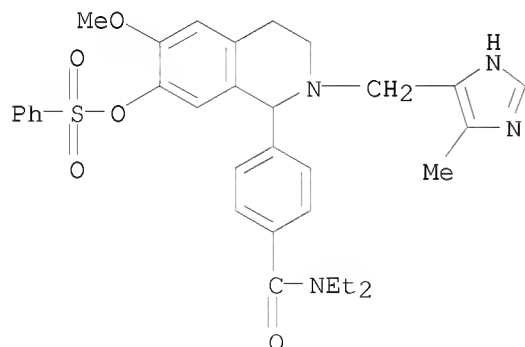
RN 857251-82-2 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-7-(3-methoxyphenoxy)-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]-(CA INDEX NAME)



RN 857251-83-3 CAPLUS

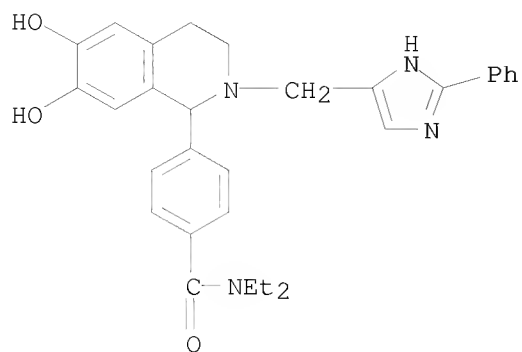
CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-[(phenylsulfonyl)oxy]-1-isoquinolinyl]-(CA INDEX NAME)



RN 857251-84-4 CAPLUS

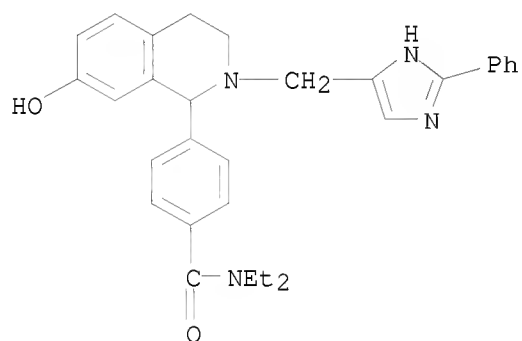
CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dihydroxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]-(CA INDEX NAME)





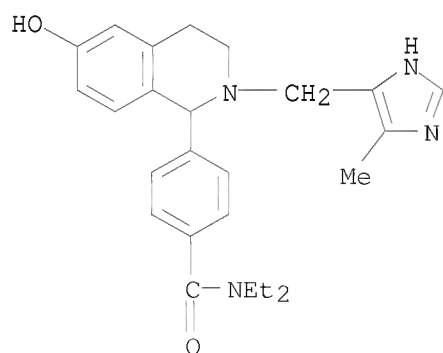
RN 857251-86-6 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-7-hydroxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



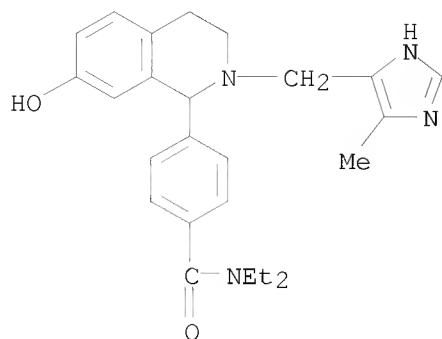
RN 857251-87-7 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-hydroxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



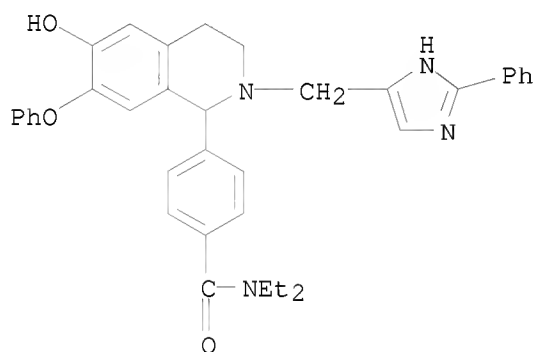
RN 857251-88-8 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-7-hydroxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



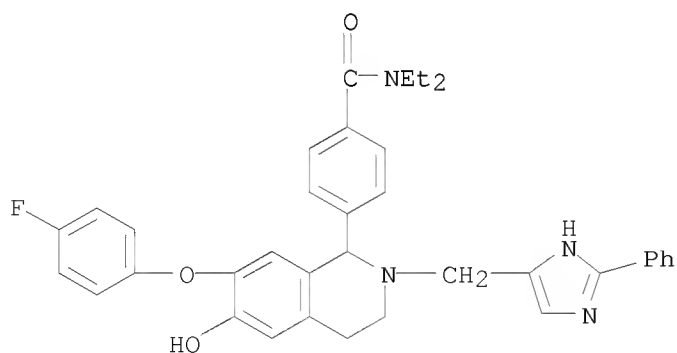
RN 857251-89-9 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-hydroxy-7-phenoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



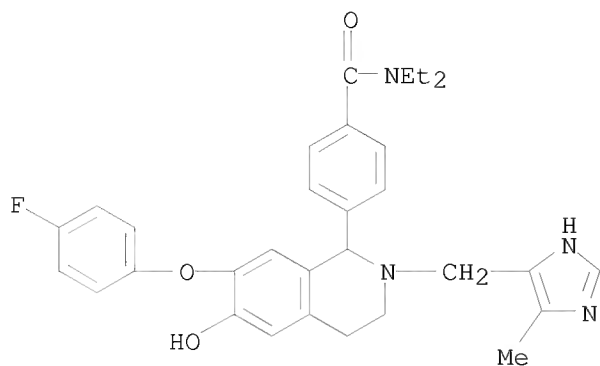
RN 857251-91-3 CAPLUS

CN Benzamide, N,N-diethyl-4-[7-(4-fluorophenoxy)-1,2,3,4-tetrahydro-6-hydroxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



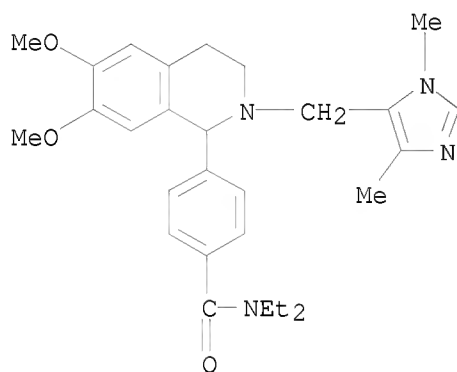
RN 857251-92-4 CAPLUS

CN Benzamide, N,N-diethyl-4-[7-(4-fluorophenoxy)-1,2,3,4-tetrahydro-6-hydroxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



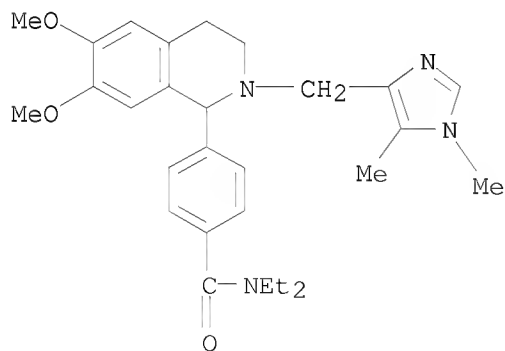
RN 857251-93-5 CAPLUS

CN Benzamide, 4-[2-[(1,4-dimethyl-1H-imidazol-5-yl)methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



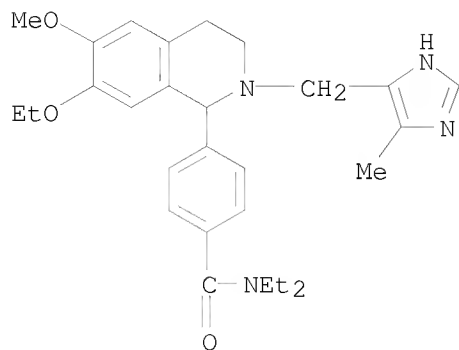
RN 857251-94-6 CAPLUS

CN Benzamide, 4-[2-[(1,5-dimethyl-1H-imidazol-4-yl)methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)

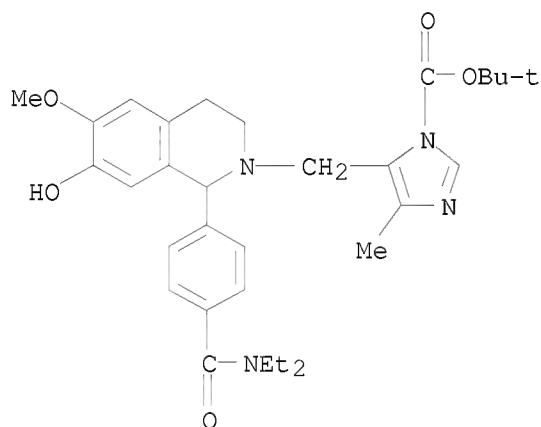


RN 857251-95-7 CAPLUS

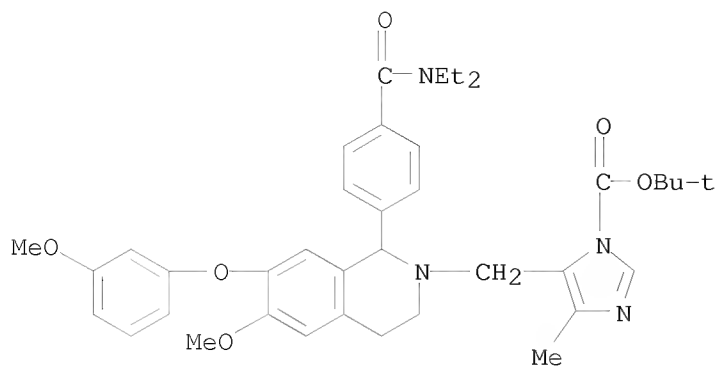
CN Benzamide, 4-[7-ethoxy-1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



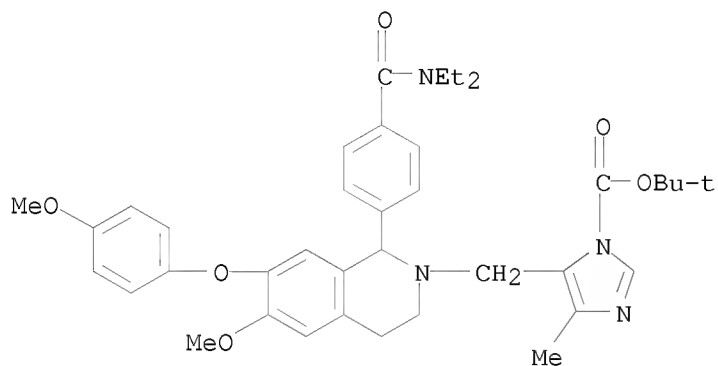
IT 857252-63-2P 857252-64-3P 857252-65-4P  
 857252-66-5P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of 1,2,3,4-tetrahydroisoquinoline derivs. as  $\delta$  receptor  
 ligands)  
 RN 857252-63-2 CAPLUS  
 CN 1H-Imidazole-1-carboxylic acid, 5-[[1-[4-[(diethylamino)carbonyl]phenyl]-  
 3,4-dihydro-7-hydroxy-6-methoxy-2(1H)-isoquinolinyl]methyl]-4-methyl-,  
 1,1-dimethylethyl ester (CA INDEX NAME)



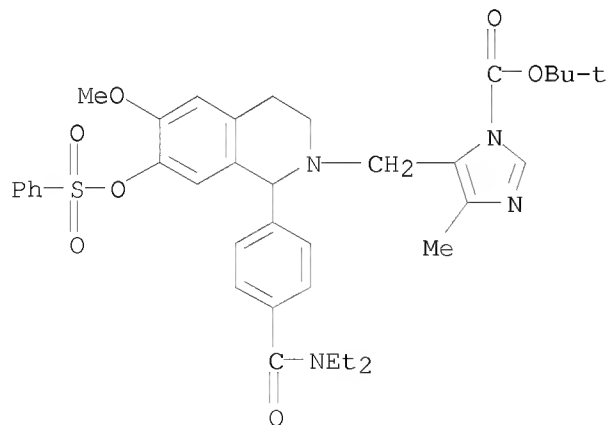
RN 857252-64-3 CAPLUS  
 CN 1H-Imidazole-1-carboxylic acid, 5-[[1-[4-[(diethylamino)carbonyl]phenyl]-  
 3,4-dihydro-6-methoxy-7-(3-methoxyphenoxy)-2(1H)-isoquinolinyl]methyl]-4-  
 methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 857252-65-4 CAPLUS  
 CN 1H-Imidazole-1-carboxylic acid, 5-[[[1-[4-[(diethylamino)carbonyl]phenyl]-3,4-dihydro-6-methoxy-7-(4-methoxyphenoxy)-2(1H)-isoquinolinyl]methyl]-4-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 857252-66-5 CAPLUS  
 CN 1H-Imidazole-1-carboxylic acid, 5-[[[1-[4-[(diethylamino)carbonyl]phenyl]-3,4-dihydro-6-methoxy-7-[(phenylsulfonyl)oxy]-2(1H)-isoquinolinyl]methyl]-4-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



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(FILE 'HOME' ENTERED AT 16:05:41 ON 21 JAN 2009)

FILE 'REGISTRY' ENTERED AT 16:05:50 ON 21 JAN 2009

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L3		STRUCTURE	UPLOADED
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L5		STRUCTURE	UPLOADED
L6	3	S L5	FULL
L7		STRUCTURE	UPLOADED
L8	94	S L7	FULL

FILE 'CAPLUS' ENTERED AT 16:12:33 ON 21 JAN 2009

L9	1	S L4	FULL
L10	1	S L6	FULL
L11	1	S L8	FULL

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L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:588939 CAPLUS  
DOCUMENT NUMBER: 143:115459  
TITLE: Preparation of tetrahydroisoquinoline derivatives as  $\delta$  receptor ligands  
INVENTOR(S): Ripper, Justin; Janssen, Christian; Jenkins, Ian; Le Van, Phuc; Quinn, Ron  
PATENT ASSIGNEE(S): Astrazeneca AB, Swed.  
SOURCE: PCT Int. Appl., 181 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005061484	A1	20050707	WO 2004-SE1939	20041220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004303736	A1	20050707	AU 2004-303736	20041220
AU 2004303736	B2	20080515		
CA 2550643	A1	20050707	CA 2004-2550643	20041220
EP 1699779	A1	20060913	EP 2004-809112	20041220
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR, IS				
CN 1918147	A	20070221	CN 2004-80041965	20041220
BR 2004017936	A	20070417	BR 2004-17936	20041220
JP 2007515477	T	20070614	JP 2006-546907	20041220
IN 2006DN03163	A	20070824	IN 2006-DN3163	20060602
MX 2006PA07040	A	20060831	MX 2006-PA7040	20060619
NO 2006003353	A	20060906	NO 2006-3353	20060719
KR 2006127903	A	20061213	KR 2006-714795	20060721
PRIORITY APPLN. INFO.:			SE 2003-3542	A 20031222
			WO 2004-SE1939	W 20041220
OTHER SOURCE(S):			CASREACT 143:115459; MARPAT 143:115459	
GI				

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Title compds. I [R1 = H, alkyl; R2 and R3 independently = H, alkyl; R4, R5, R6 and R7 independently = H, OH, halo, etc. or any two adjacent groups selected from R4, R5, R6 and R7 form a portion of a 5-6 membered ring; E = (un)substituted 5-membered heterocycle; D = divalent group comprising a benzene ring] and their pharmaceutically acceptable salts, are prepared and disclosed as  $\delta$  receptor ligands. Thus, e.g., II was prepared by reductive alkylation of 2-[(6,7-dimethoxy-1,2,3,4-tetrahydroisoquinolin-1-yl)methoxy]-N,N-diethylbenzamide (preparation given) with 2-furaldehyde. The activity of I was evaluated in binding assays towards  $\delta$  receptor and it was found that most compds. of the invention displayed IC50 values



below 1000 nM. I as ligands of  $\delta$  receptor should prove useful in the treatment of pain. Pharmaceutical compns. comprising I are disclosed.

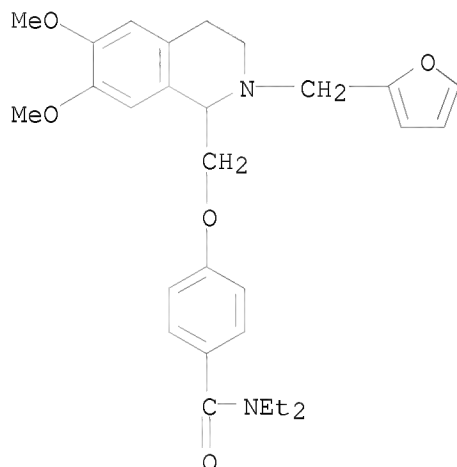
IT 857251-15-1P 857251-16-2P 857251-41-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 1,2,3,4-tetrahydroisoquinoline derivs. as  $\delta$  receptor ligands)

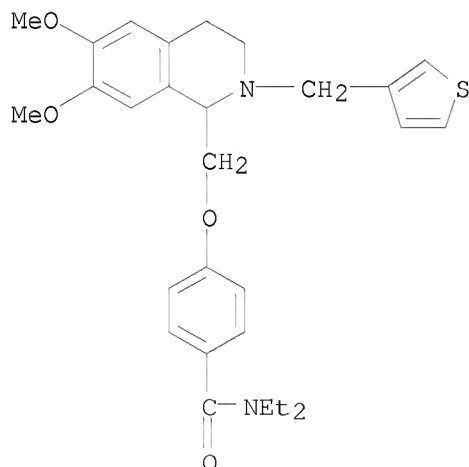
RN 857251-15-1 CAPLUS

CN Benzamide, N,N-diethyl-4-[[2-(2-furanylmethyl)-1,2,3,4-tetrahydro-6,7-dimethoxy-1-isoquinolinyl]methoxy]- (CA INDEX NAME)



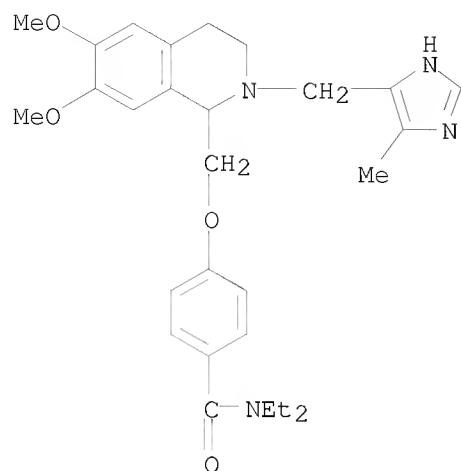
RN 857251-16-2 CAPLUS

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RN 857251-41-3 CAPLUS

CN Benzamide, N,N-diethyl-4-[[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]methoxy]- (CA INDEX NAME)



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d ibib abs hitstr tot 111

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:588939 CAPLUS  
DOCUMENT NUMBER: 143:115459  
TITLE: Preparation of tetrahydroisoquinoline derivatives as  
 $\delta$  receptor ligands  
INVENTOR(S): Ripper, Justin; Janssen, Christian; Jenkins, Ian; Le  
Van, Phuc; Quinn, Ron  
PATENT ASSIGNEE(S): Astrazeneca AB, Swed.  
SOURCE: PCT Int. Appl., 181 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005061484	A1	20050707	WO 2004-SE1939	20041220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004303736	A1	20050707	AU 2004-303736	20041220
AU 2004303736	B2	20080515		
CA 2550643	A1	20050707	CA 2004-2550643	20041220
EP 1699779	A1	20060913	EP 2004-809112	20041220
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR, IS				
CN 1918147	A	20070221	CN 2004-80041965	20041220
BR 2004017936	A	20070417	BR 2004-17936	20041220
JP 2007515477	T	20070614	JP 2006-546907	20041220
IN 2006DN03163	A	20070824	IN 2006-DN3163	20060602
MX 2006PA07040	A	20060831	MX 2006-PA7040	20060619
NO 2006003353	A	20060906	NO 2006-3353	20060719
KR 2006127903	A	20061213	KR 2006-714795	20060721
PRIORITY APPLN. INFO.:			SE 2003-3542	A 20031222
			WO 2004-SE1939	W 20041220
OTHER SOURCE(S):			CASREACT 143:115459; MARPAT 143:115459	
GI				

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Title compds. I [R1 = H, alkyl; R2 and R3 independently = H, alkyl; R4, R5, R6 and R7 independently = H, OH, halo, etc. or any two adjacent groups selected from R4, R5, R6 and R7 form a portion of a 5-6 membered ring; E = (un)substituted 5-membered heterocycle; D = divalent group comprising a benzene ring] and their pharmaceutically acceptable salts, are prepared and disclosed as  $\delta$  receptor ligands. Thus, e.g., II was prepared by reductive alkylation of 2-[(6,7-dimethoxy-1,2,3,4-tetrahydroisoquinolin-1-yl)methoxy]-N,N-diethylbenzamide (preparation given) with 2-furaldehyde. The activity of I was evaluated in binding assays towards  $\delta$  receptor and it was found that most compds. of the invention displayed IC50 values

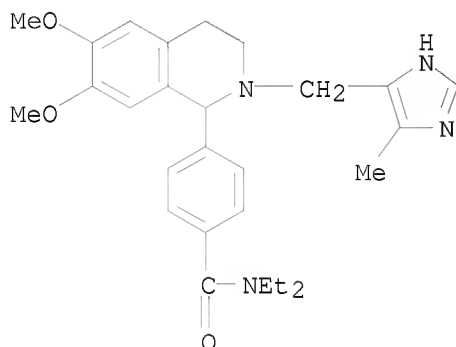
below 1000 nM. I as ligands of  $\delta$  receptor should prove useful in the treatment of pain. Pharmaceutical compns. comprising I are disclosed.

IT 857251-29-7P 857251-31-1P 857251-76-4P

RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PYP (Physical process); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses) (preparation of 1,2,3,4-tetrahydroisoquinoline derivs. as  $\delta$  receptor ligands)

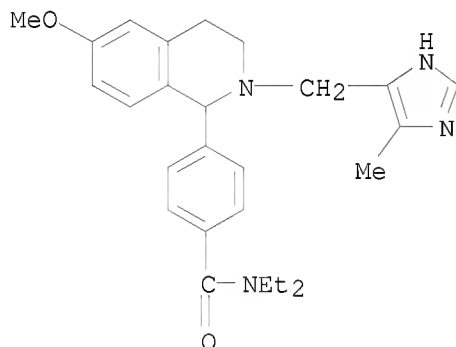
RN 857251-29-7 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



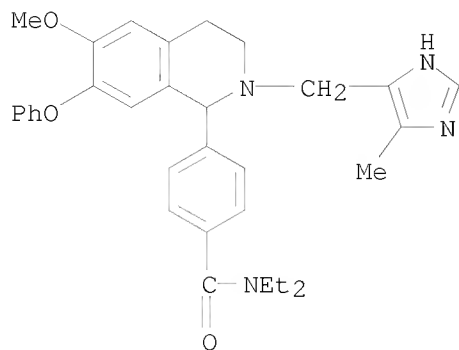
RN 857251-31-1 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



RN 857251-76-4 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-phenoxy-1-isoquinolinyl]- (CA INDEX NAME)



IT 857251-49-1P 857251-52-6P 857251-53-7P

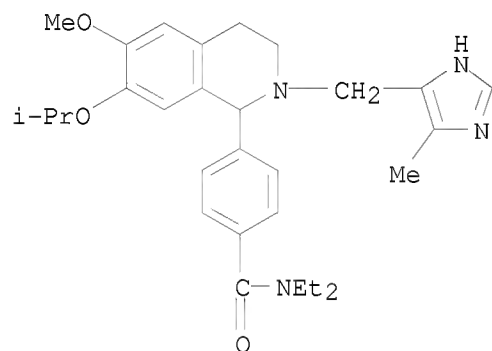
857251-85-5P 857251-90-2P

RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PYP (Physical process); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

(preparation of 1,2,3,4-tetrahydroisoquinoline derivs. as  $\delta$  receptor ligands)

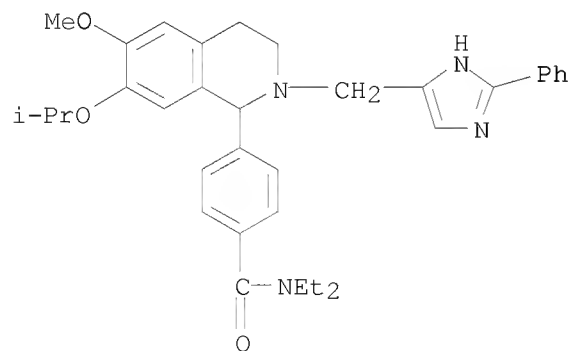
RN 857251-49-1 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-7-(1-methylethoxy)-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



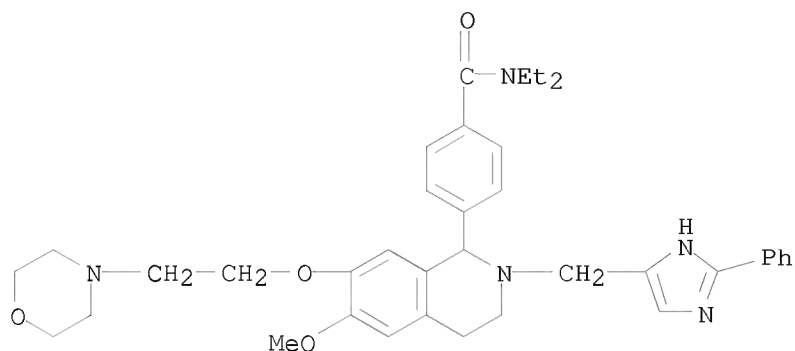
RN 857251-52-6 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-7-(1-methylethoxy)-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



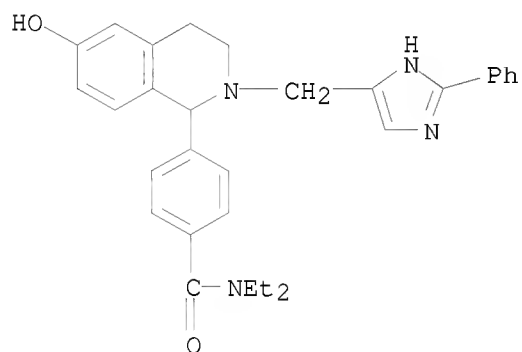
RN 857251-53-7 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-7-[2-(4-morpholinyl)ethoxy]-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



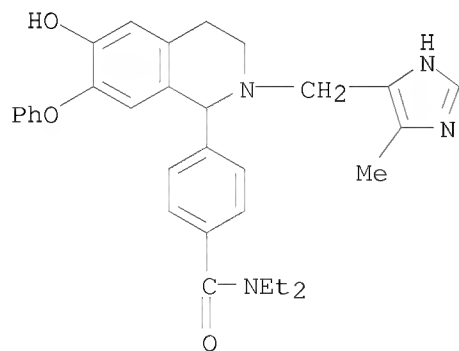
RN 857251-85-5 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-hydroxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



RN 857251-90-2 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-hydroxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-phenoxy-1-isoquinolinyl]- (CA INDEX NAME)



IT 857251-96-8P 857251-97-9P 857251-98-0P  
857251-99-1P 857252-00-7P 857252-01-8P  
857252-02-9P 857252-03-0P 857252-04-1P  
857252-05-2P 857252-06-3P 857252-07-4P  
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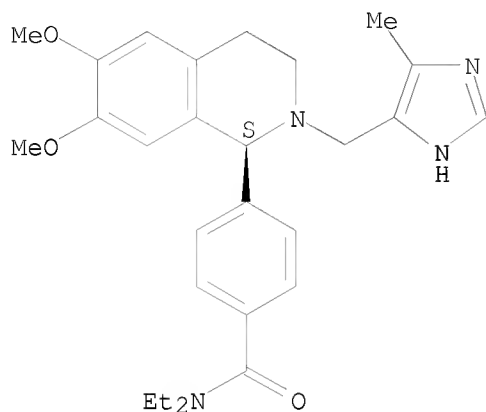
RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 1,2,3,4-tetrahydroisoquinoline derivs. as  $\delta$  receptor ligands)

RN 857251-96-8 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1S)-1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

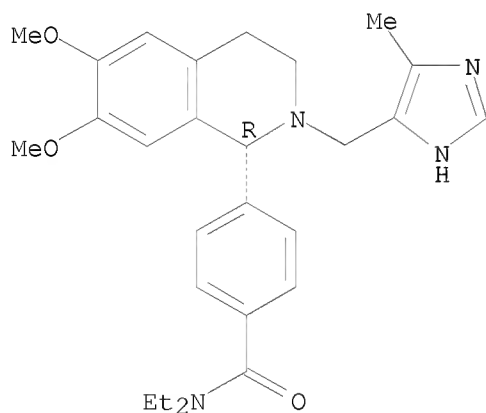
Absolute stereochemistry.



RN 857251-97-9 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1R)-1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

Absolute stereochemistry.

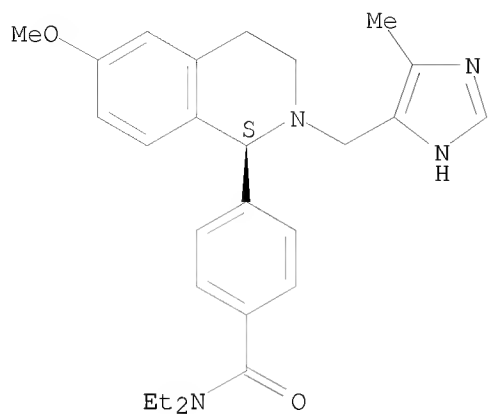


RN 857251-98-0 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1S)-1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

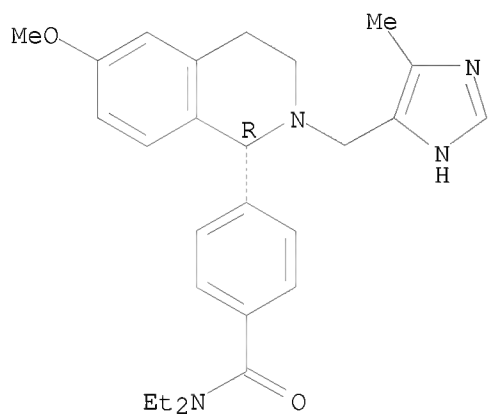




RN 857251-99-1 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1R)-1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

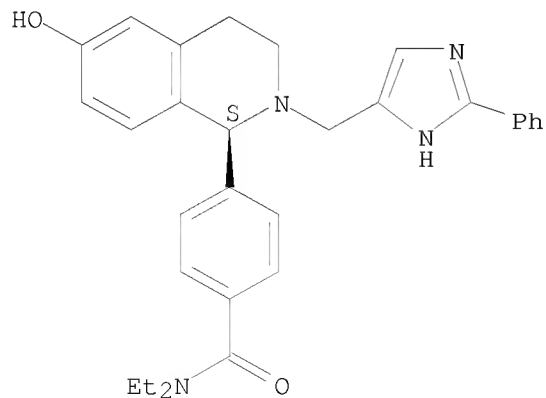
Absolute stereochemistry. Rotation (-).



RN 857252-00-7 CAPLUS

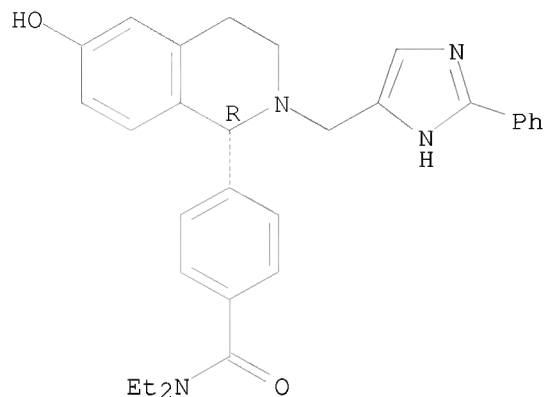
CN Benzamide, N,N-diethyl-4-[(1S)-1,2,3,4-tetrahydro-6-methoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



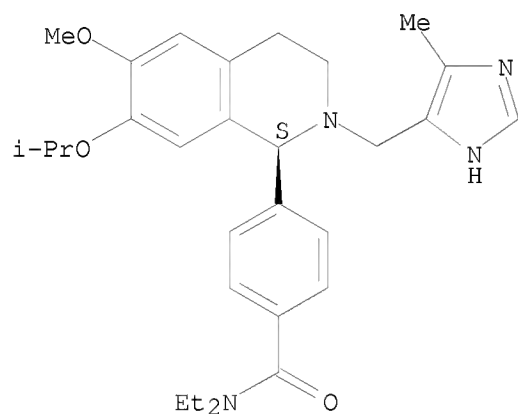
RN 857252-01-8 CAPLUS  
CN Benzamide, N,N-diethyl-4-[(1R)-1,2,3,4-tetrahydro-6-hydroxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



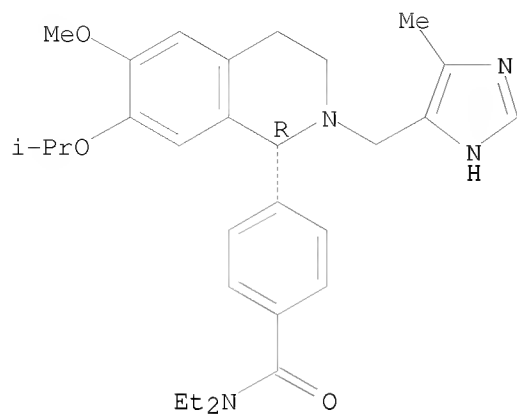
RN 857252-02-9 CAPLUS  
CN Benzamide, N,N-diethyl-4-[(1S)-1,2,3,4-tetrahydro-6-methoxy-7-(1-methylethoxy)-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 857252-03-0 CAPLUS  
CN Benzamide, N,N-diethyl-4-[(1R)-1,2,3,4-tetrahydro-6-methoxy-7-(1-methylethoxy)-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

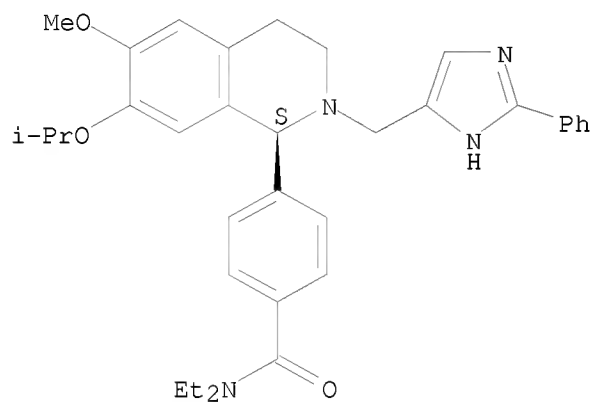
Absolute stereochemistry. Rotation (-).



RN 857252-04-1 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1S)-1,2,3,4-tetrahydro-6-methoxy-7-(1-methylethoxy)-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

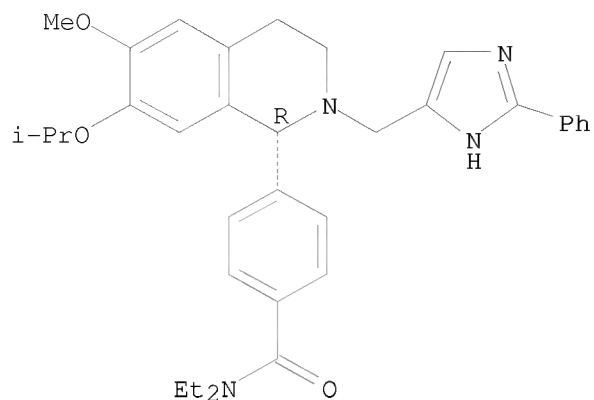
Absolute stereochemistry. Rotation (+).



RN 857252-05-2 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1R)-1,2,3,4-tetrahydro-6-methoxy-7-(1-methylethoxy)-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

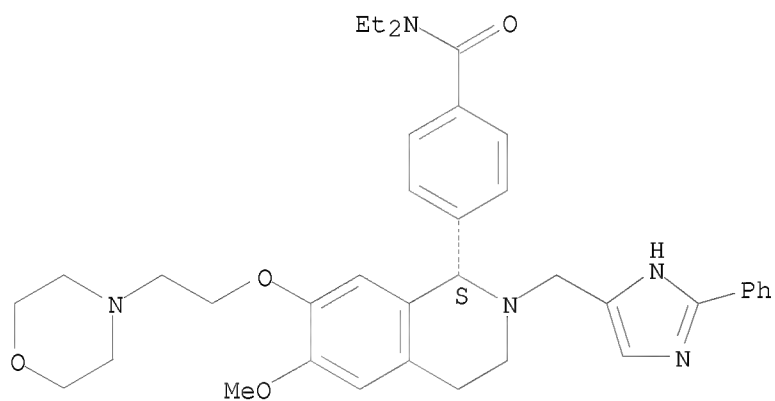
Absolute stereochemistry. Rotation (-).



RN 857252-06-3 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1S)-1,2,3,4-tetrahydro-6-methoxy-7-[2-(4-morpholinyl)ethoxy]-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyll]-  
(CA INDEX NAME)

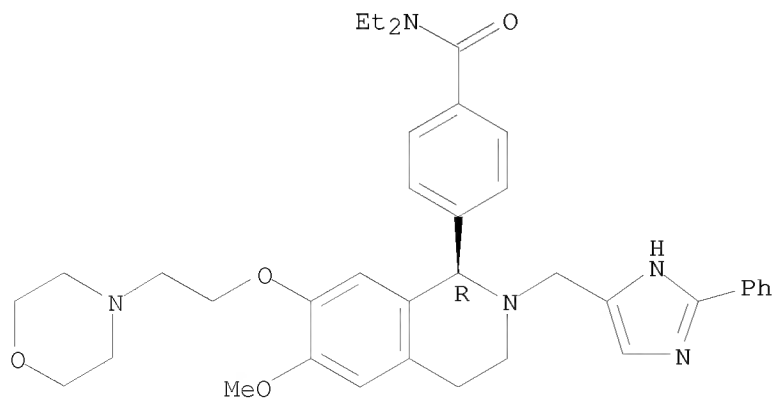
Absolute stereochemistry. Rotation (+).



RN 857252-07-4 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1R)-1,2,3,4-tetrahydro-6-methoxy-7-[2-(4-morpholinyl)ethoxy]-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyll]-  
(CA INDEX NAME)

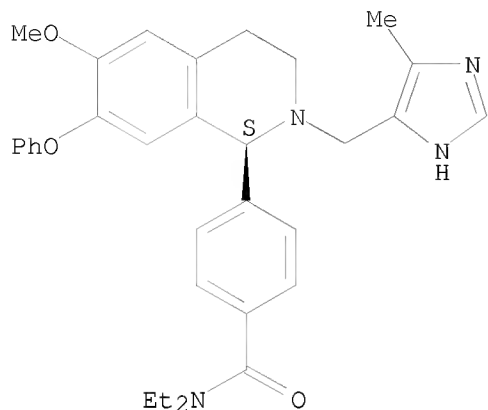
Absolute stereochemistry. Rotation (-).



RN 857252-08-5 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1S)-1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-phenoxy-1-isoquinolinyl]- (CA INDEX NAME)

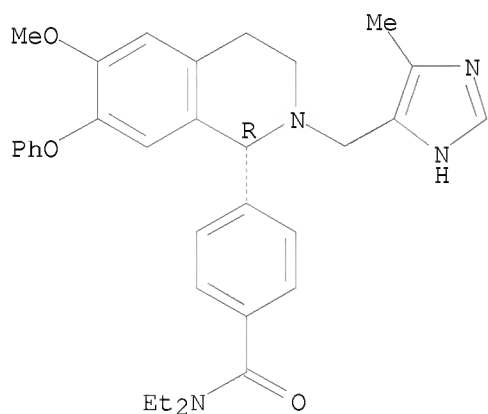
Absolute stereochemistry. Rotation (+).



RN 857252-09-6 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1R)-1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-phenoxy-1-isoquinolinyl]- (CA INDEX NAME)

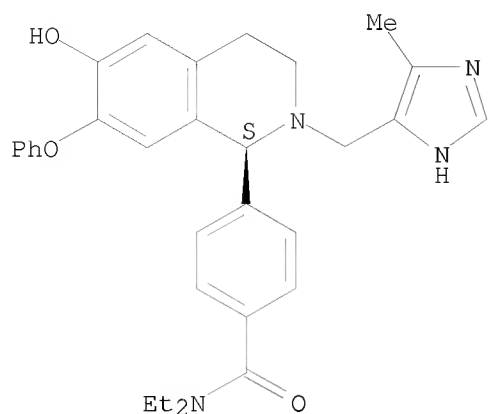
Absolute stereochemistry. Rotation (-).



RN 857252-10-9 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1S)-1,2,3,4-tetrahydro-6-hydroxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-phenoxy-1-isoquinolinyl]- (CA INDEX NAME)

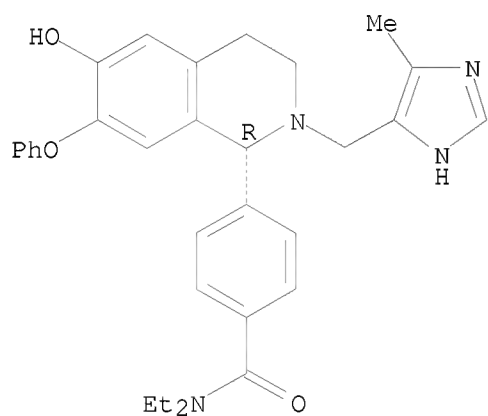
Absolute stereochemistry.



RN 857252-11-0 CAPLUS

CN Benzamide, N,N-diethyl-4-[(1R)-1,2,3,4-tetrahydro-6-hydroxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-phenoxy-1-isoquinolinyl]- (CA INDEX NAME)

Absolute stereochemistry.

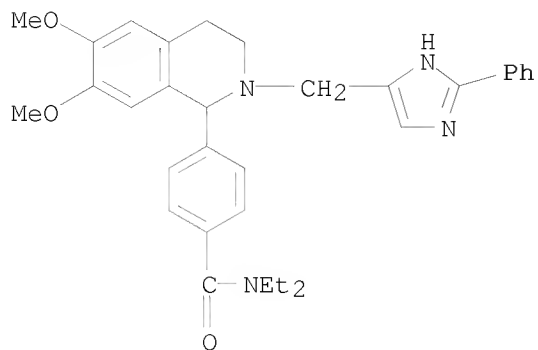


IT 857251-19-5P 857251-20-8P 857251-21-9P  
857251-36-6P 857251-54-8P 857251-75-3P  
857251-77-5P 857251-78-6P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of 1,2,3,4-tetrahydroisoquinoline derivs. as  $\delta$  receptor ligands)

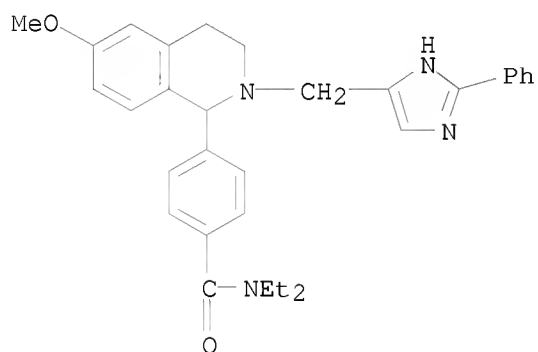
RN 857251-19-5 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



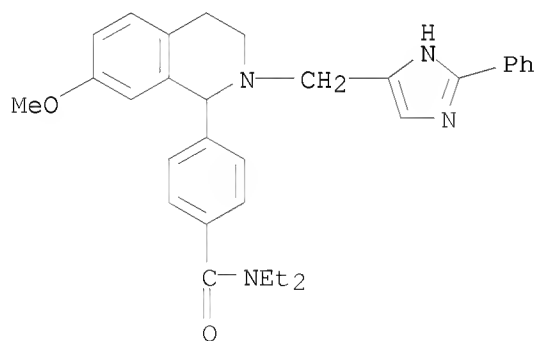
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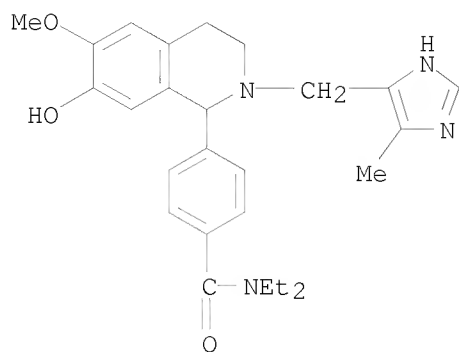
RN 857251-21-9 CAPLUS

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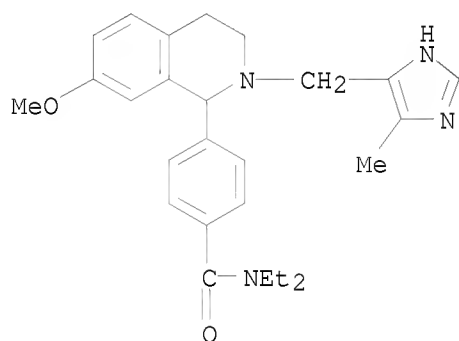
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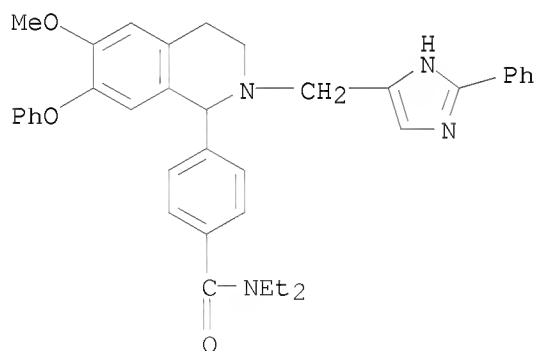
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CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-7-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



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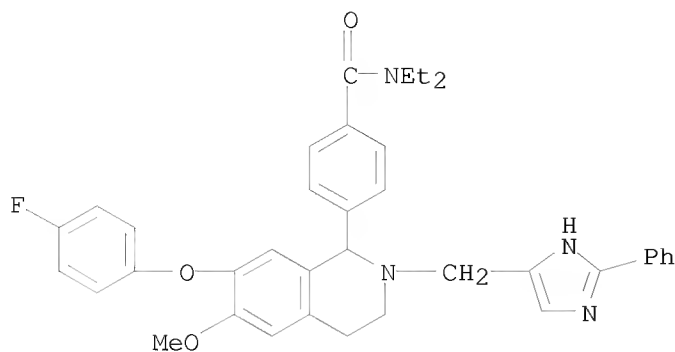
CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-7-phenoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



RN 857251-77-5 CAPLUS

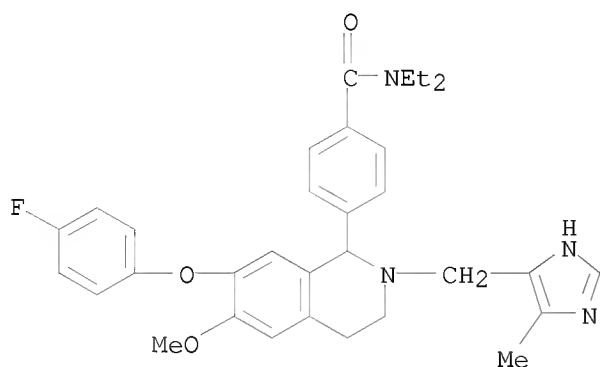
CN Benzamide, N,N-diethyl-4-[7-(4-fluorophenoxy)-1,2,3,4-tetrahydro-6-methoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)





RN 857251-78-6 CAPLUS

CN Benzamide, N,N-diethyl-4-[7-(4-fluorophenoxy)-1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



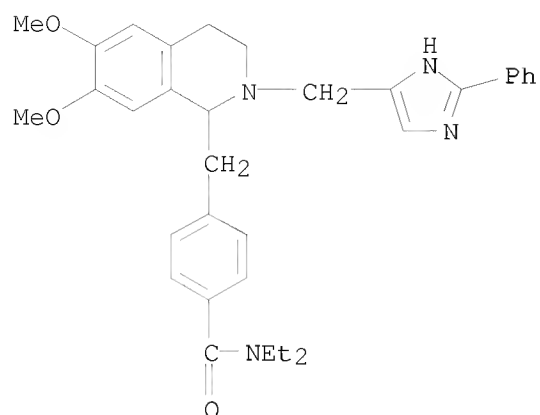
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 1,2,3,4-tetrahydroisoquinoline derivs. as  $\delta$  receptor ligands)

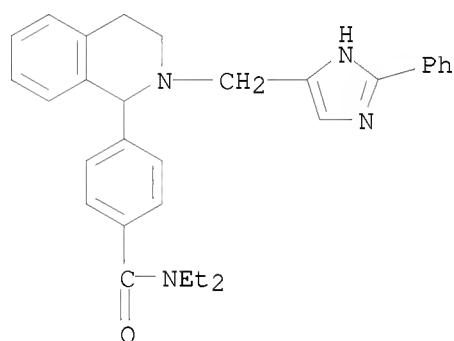
RN 857251-18-4 CAPLUS

CN Benzamide, N,N-diethyl-4-[[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]methyl]- (CA INDEX NAME)



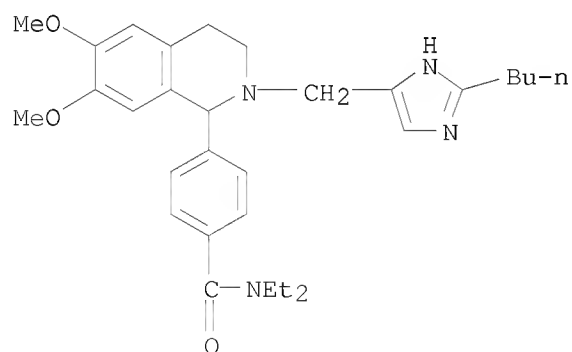
RN 857251-22-0 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



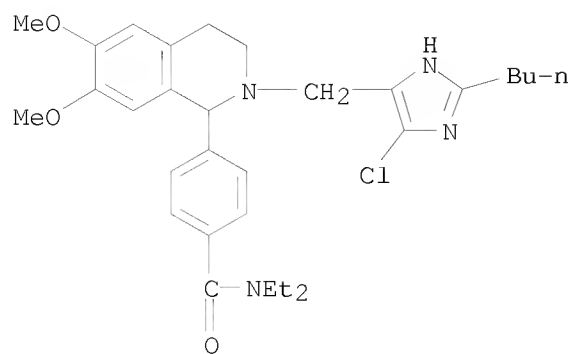
RN 857251-23-1 CAPLUS

CN Benzamide, 4-[2-[(2-butyl-1H-imidazol-5-yl)methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



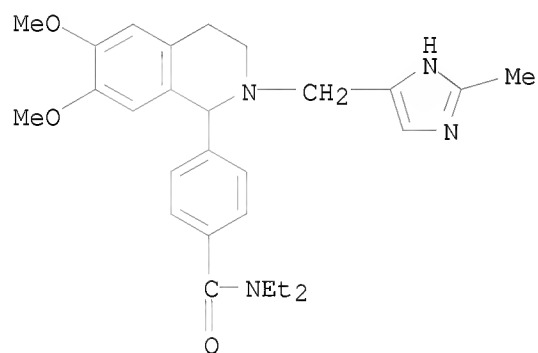
RN 857251-24-2 CAPLUS

CN Benzamide, 4-[2-[(2-butyl-5-chloro-1H-imidazol-4-yl)methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



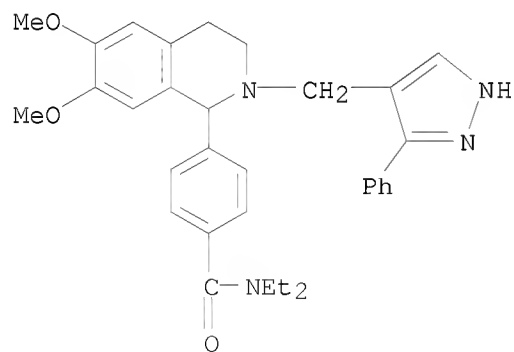
RN 857251-25-3 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(2-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



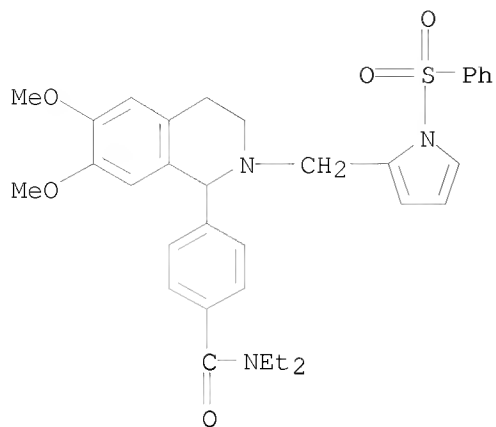
RN 857251-26-4 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(3-phenyl-1H-pyrazol-4-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



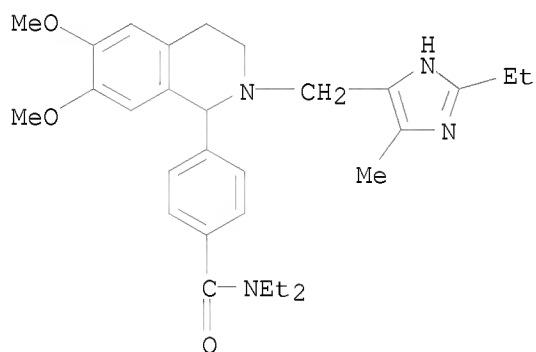
RN 857251-27-5 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[[1-(phenylsulfonyl)-1H-pyrrol-2-yl]methyl]-1-isoquinolinyl]- (CA INDEX NAME)



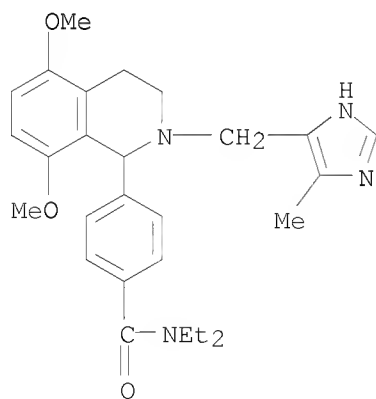
RN 857251-28-6 CAPLUS

CN Benzamide, N,N-diethyl-4-[2-[(2-ethyl-4-methyl-1H-imidazol-5-yl)methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-1-isoquinolinyl]- (CA INDEX NAME)



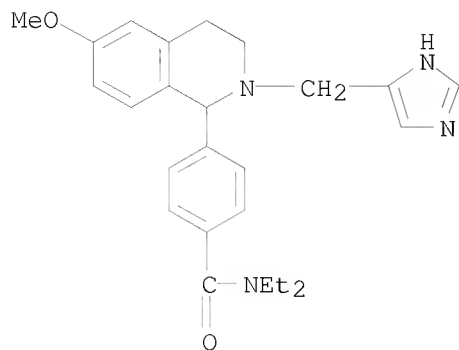
RN 857251-30-0 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-5,8-dimethoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



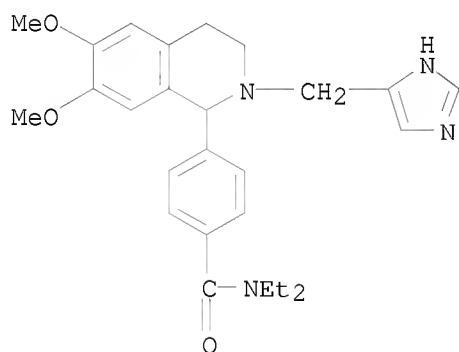
RN 857251-32-2 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-2-(1H-imidazol-5-ylmethyl)-6-methoxy-1-isoquinolinyl]- (CA INDEX NAME)



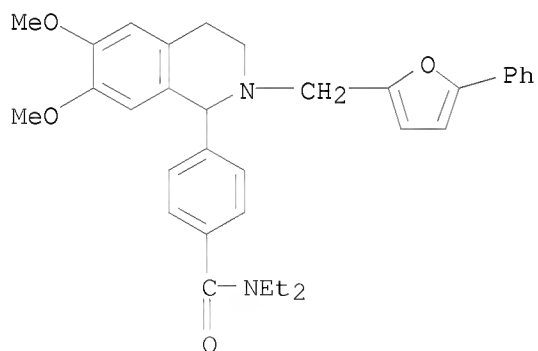
RN 857251-33-3 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-2-(1H-imidazol-5-ylmethyl)-6,7-dimethoxy-1-isoquinolinyl]- (CA INDEX NAME)



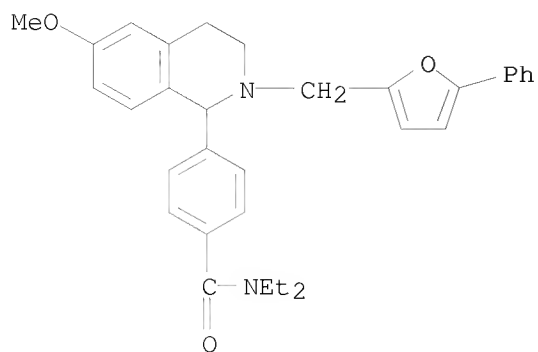
RN 857251-34-4 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(5-phenyl-2-furanyl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



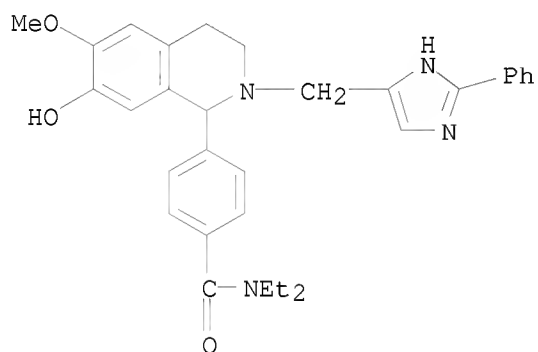
RN 857251-35-5 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(5-phenyl-2-furanyl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



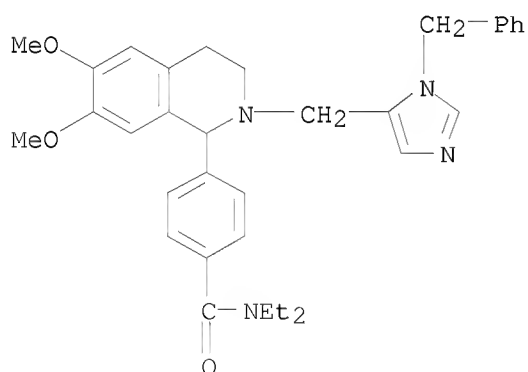
RN 857251-37-7 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-7-hydroxy-6-methoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



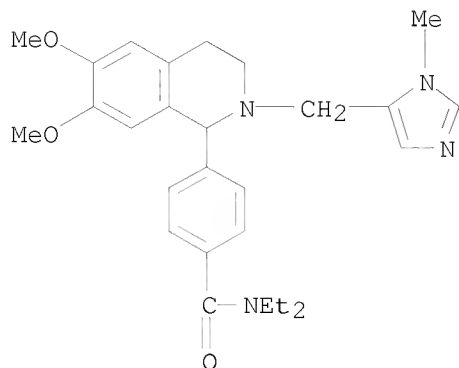
RN 857251-38-8 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[[1-(phenylmethyl)-1H-imidazol-5-yl]methyl]-1-isoquinolinyl]- (CA INDEX NAME)



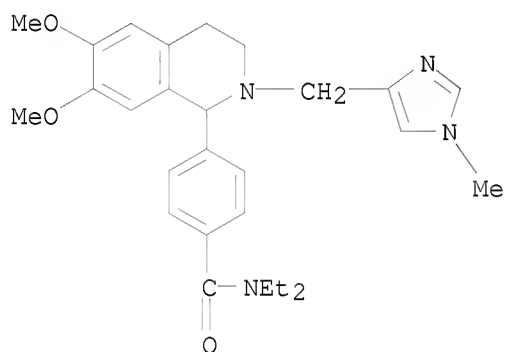
RN 857251-39-9 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(1-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



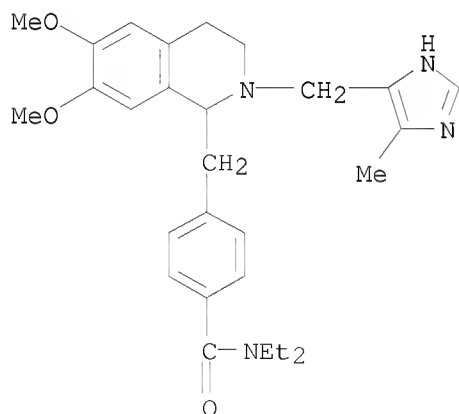
RN 857251-40-2 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(1-methyl-1H-imidazol-4-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



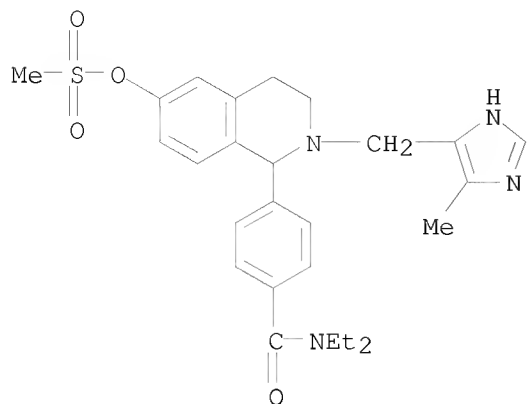
RN 857251-42-4 CAPLUS

CN Benzamide, N,N-diethyl-4-[[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]methyl]- (CA INDEX NAME)



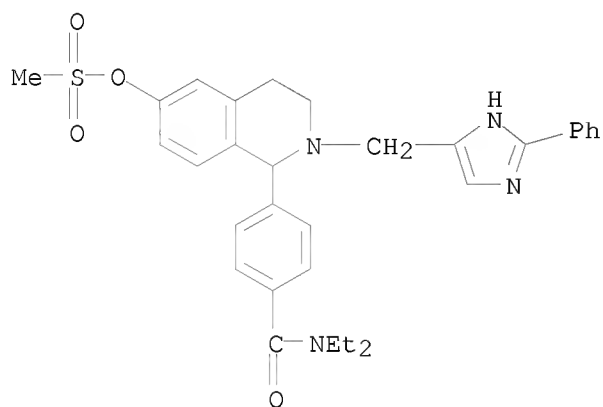
RN 857251-43-5 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-2-[(4-methyl-1H-imidazol-5-yl)methyl]-6-[(methylsulfonyl)oxy]-1-isoquinolinyl]- (CA INDEX NAME)



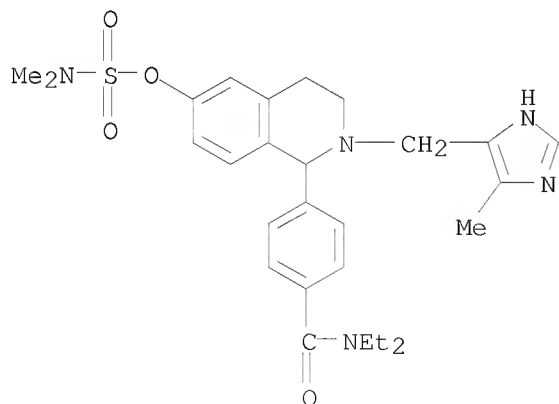
RN 857251-44-6 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-[(methylsulfonyl)oxy]-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



RN 857251-45-7 CAPLUS

CN Sulfamic acid, N,N-dimethyl-, 1-[4-[(diethylamino)carbonyl]phenyl]-1,2,3,4-tetrahydro-2-[(4-methyl-1H-imidazol-5-yl)methyl]-6-isoquinolinyl ester (CA INDEX NAME)

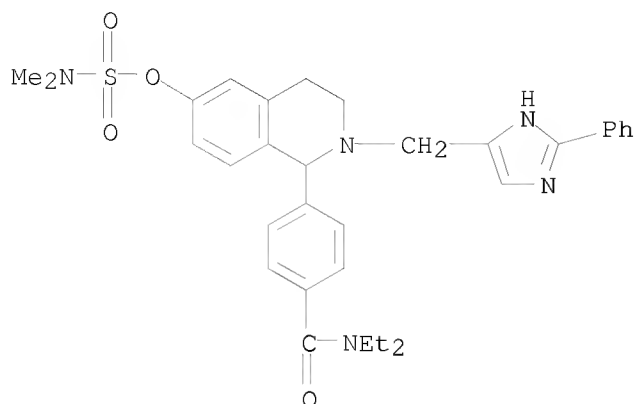


RN 857251-46-8 CAPLUS

CN Sulfamic acid, N,N-dimethyl-, 1-[4-[(diethylamino)carbonyl]phenyl]-1,2,3,4-tetrahydro-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-6-isoquinolinyl ester

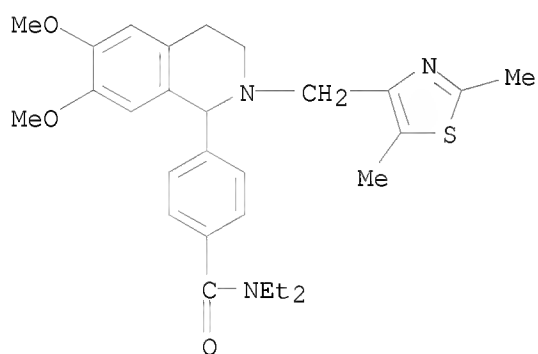


(CA INDEX NAME)



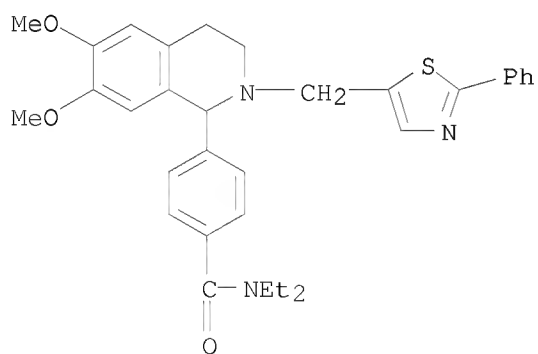
RN 857251-47-9 CAPLUS

CN Benzamide, 4-[2-[(2,5-dimethyl-4-thiazolyl)methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



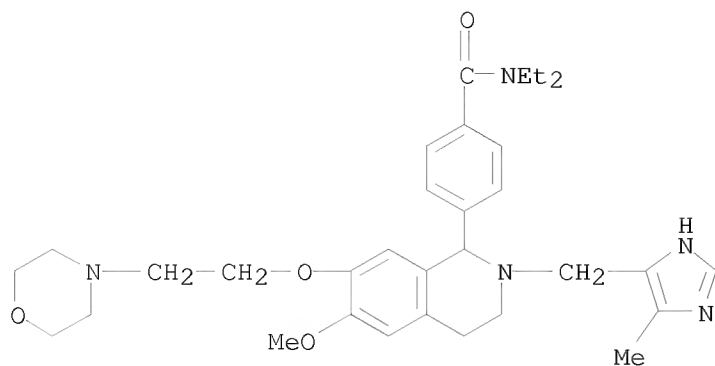
RN 857251-48-0 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-2-[(2-phenyl-5-thiazolyl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



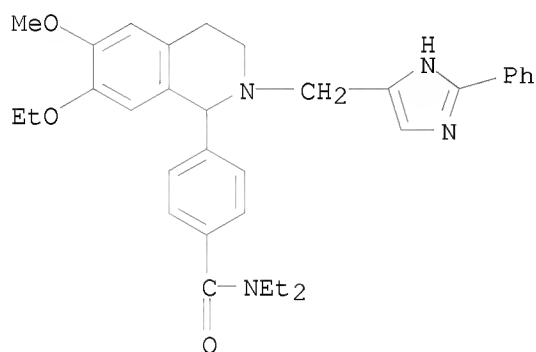
RN 857251-50-4 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-[2-(4-morpholinyl)ethoxy]-1-isoquinolinyl]- (CA INDEX NAME)



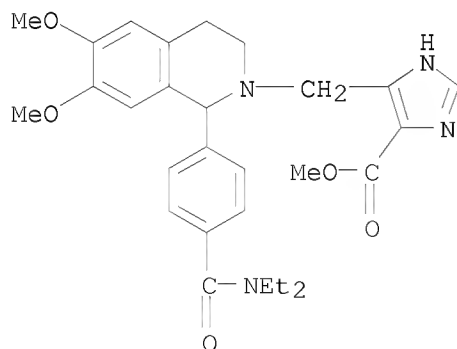
RN 857251-51-5 CAPLUS

CN Benzamide, 4-[7-ethoxy-1,2,3,4-tetrahydro-6-methoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



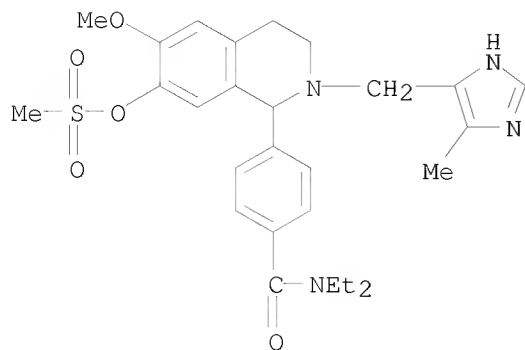
RN 857251-55-9 CAPLUS

CN 1H-Imidazole-5-carboxylic acid, 4-[[1-[4-[(diethylamino)carbonyl]phenyl]-3,4-dihydro-6,7-dimethoxy-2(1H)-isoquinolinyl]methyl]-, methyl ester (CA INDEX NAME)



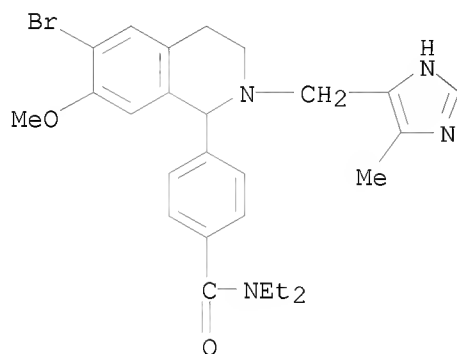
RN 857251-56-0 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-[(methylsulfonyl)oxy]-1-isoquinolinyl]- (CA INDEX NAME)



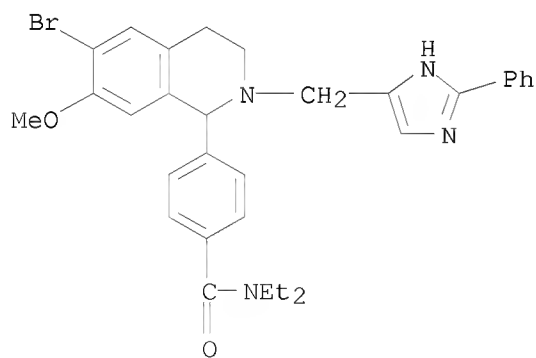
RN 857251-59-3 CAPLUS

CN Benzamide, 4-[6-bromo-1,2,3,4-tetrahydro-7-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



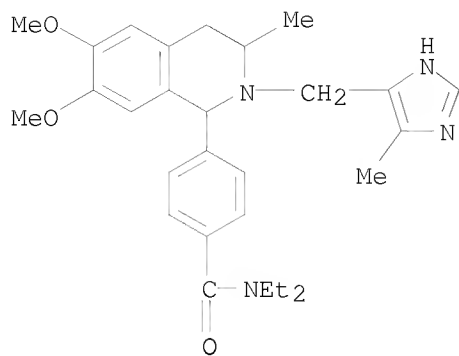
RN 857251-60-6 CAPLUS

CN Benzamide, 4-[6-bromo-1,2,3,4-tetrahydro-7-methoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



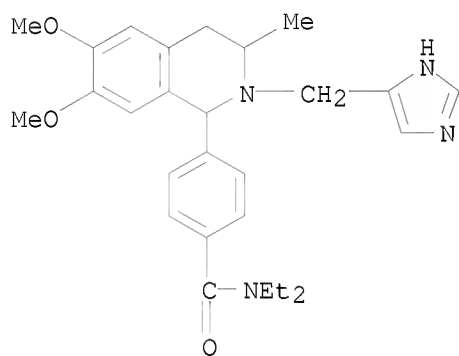
RN 857251-61-7 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dimethoxy-3-methyl-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



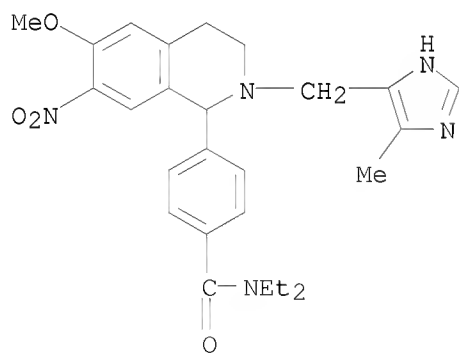
RN 857251-62-8 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-2-(1H-imidazol-5-ylmethyl)-6,7-dimethoxy-3-methyl-1-isoquinolinyl]- (CA INDEX NAME)



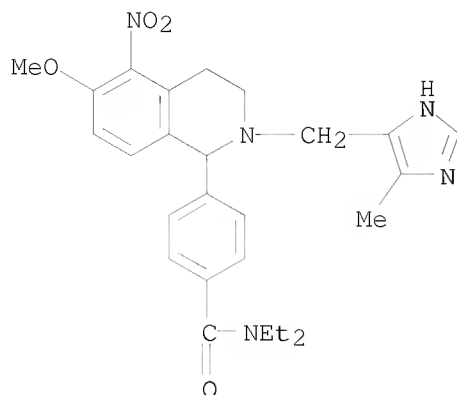
RN 857251-63-9 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-nitro-1-isoquinolinyl]- (CA INDEX NAME)



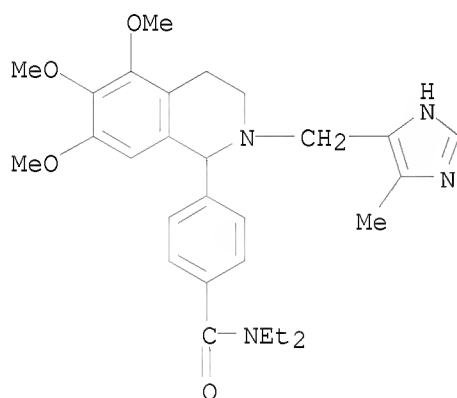
RN 857251-64-0 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-5-nitro-1-isoquinolinyl]- (CA INDEX NAME)



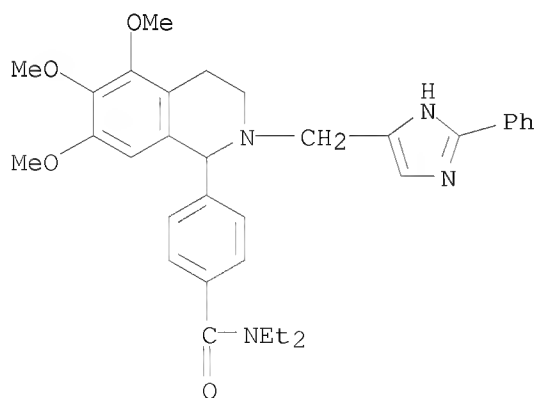
RN 857251-67-3 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-5,6,7-trimethoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



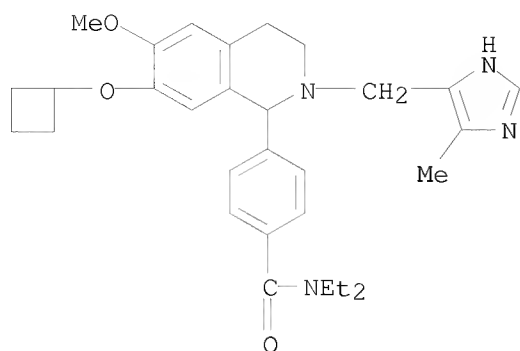
RN 857251-68-4 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-5,6,7-trimethoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



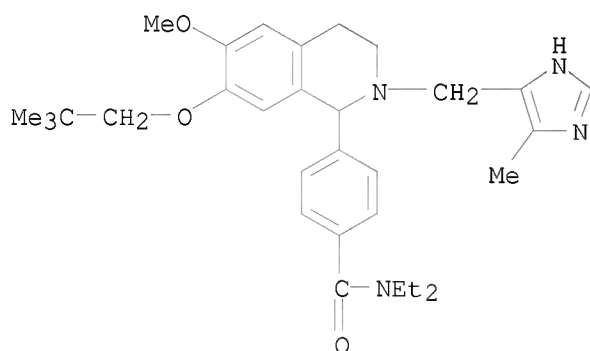
RN 857251-69-5 CAPLUS

CN Benzamide, 4-[7-(cyclobutyloxy)-1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



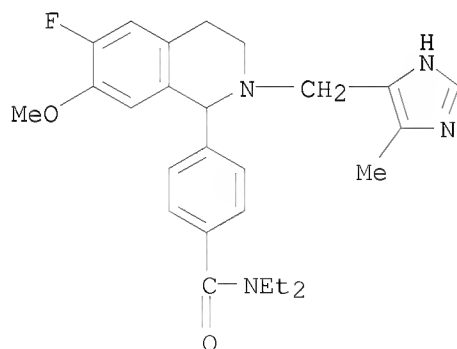
RN 857251-70-8 CAPLUS

CN Benzamide, 4-[7-(2,2-dimethylpropoxy)-1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



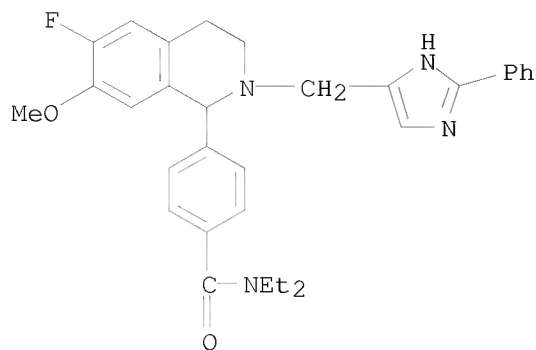
RN 857251-71-9 CAPLUS

CN Benzamide, N,N-diethyl-4-[6-fluoro-1,2,3,4-tetrahydro-7-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



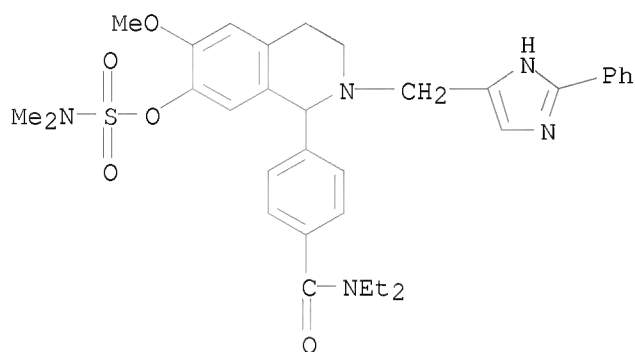
RN 857251-72-0 CAPLUS

CN Benzamide, N,N-diethyl-4-[6-fluoro-1,2,3,4-tetrahydro-7-methoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



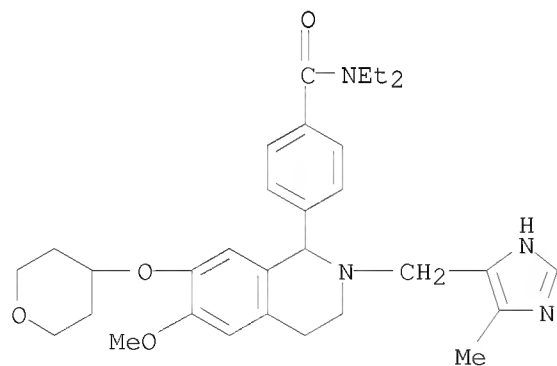
RN 857251-73-1 CAPLUS

CN Sulfamic acid, N,N-dimethyl-, 1-[4-[(diethylamino)carbonyl]phenyl]-1,2,3,4-tetrahydro-6-methoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-7-isoquinolinyl ester (CA INDEX NAME)



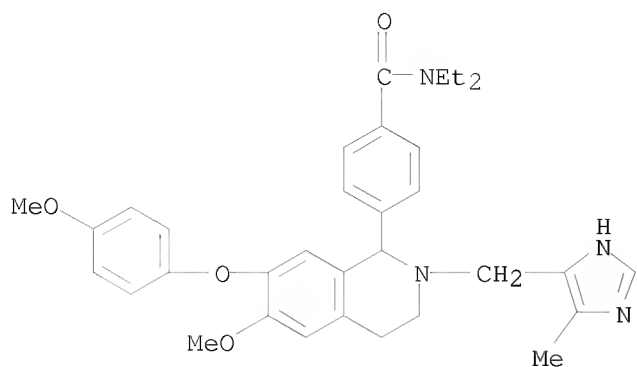
RN 857251-74-2 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-[(tetrahydro-2H-pyran-4-yl)oxy]-1-isoquinolinyl]- (CA INDEX NAME)



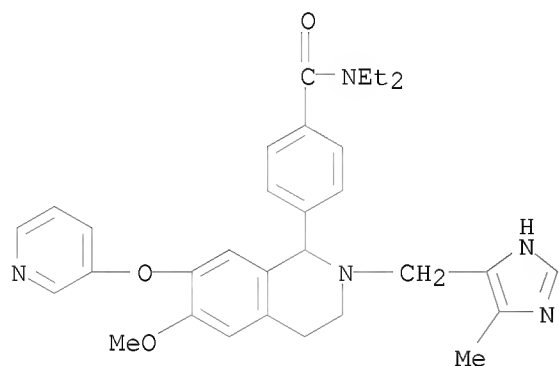
RN 857251-79-7 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-7-(4-methoxyphenoxy)-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



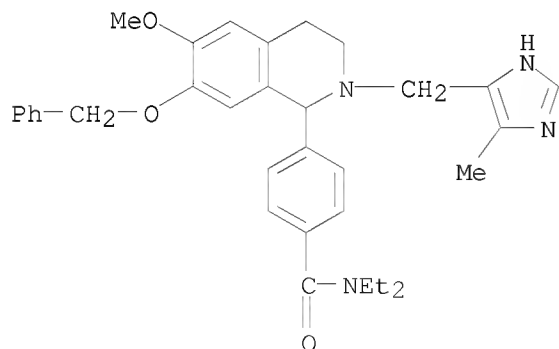
RN 857251-80-0 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-(3-pyridinyloxy)-1-isoquinolinyl]- (CA INDEX NAME)



RN 857251-81-1 CAPLUS

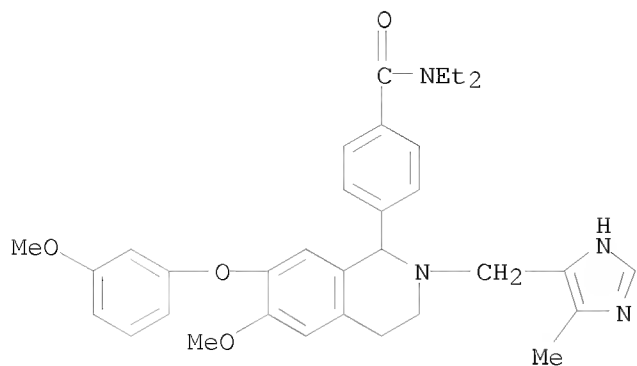
CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-(phenylmethoxy)-1-isoquinolinyl]- (CA INDEX NAME)



RN 857251-82-2 CAPLUS

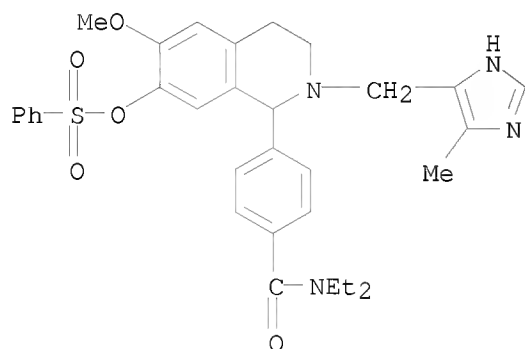
CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-7-(3-methoxyphenoxy)-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)





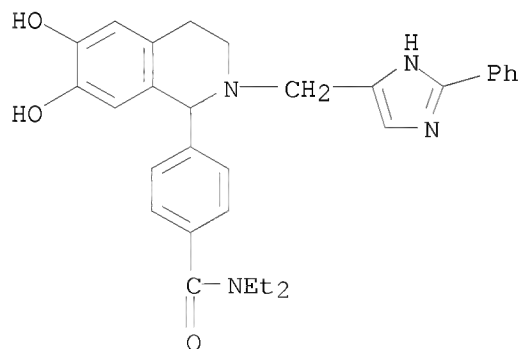
RN 857251-83-3 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-7-[(phenylsulfonyl)oxy]-1-isoquinolinyl]- (CA INDEX NAME)



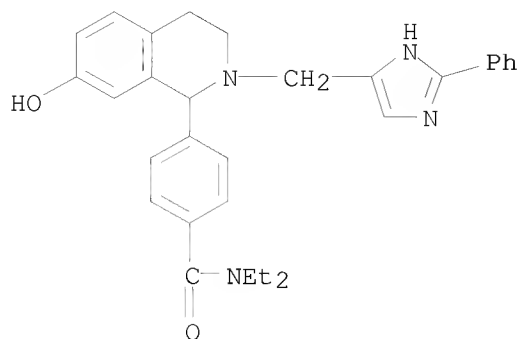
RN 857251-84-4 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6,7-dihydroxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



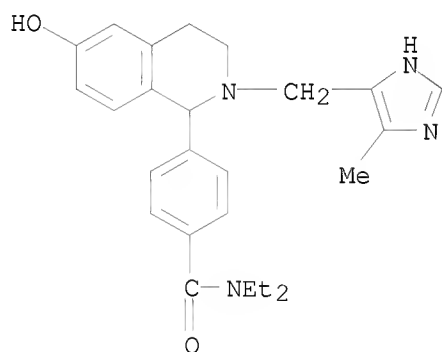
RN 857251-86-6 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-7-hydroxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



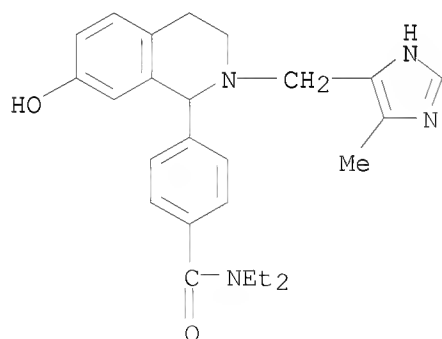
RN 857251-87-7 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-hydroxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



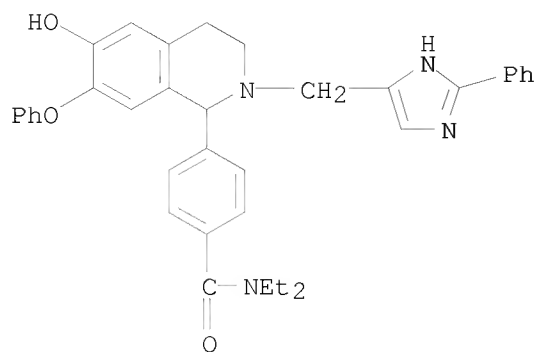
RN 857251-88-8 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-7-hydroxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



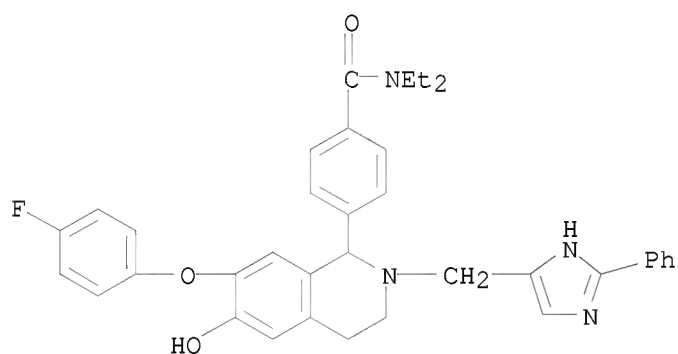
RN 857251-89-9 CAPLUS

CN Benzamide, N,N-diethyl-4-[1,2,3,4-tetrahydro-6-hydroxy-7-phenoxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



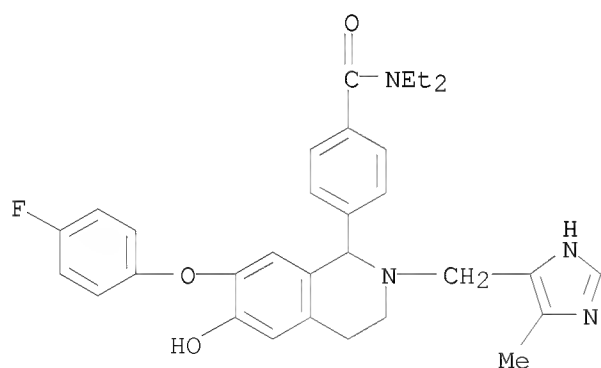
RN 857251-91-3 CAPLUS

CN Benzamide, N,N-diethyl-4-[7-(4-fluorophenoxy)-1,2,3,4-tetrahydro-6-hydroxy-2-[(2-phenyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)



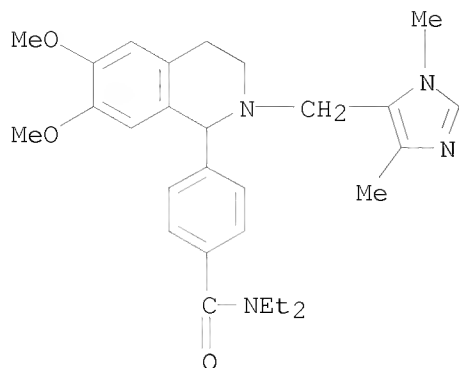
RN 857251-92-4 CAPLUS

CN Benzamide, N,N-diethyl-4-[7-(4-fluorophenoxy)-1,2,3,4-tetrahydro-6-hydroxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]- (CA INDEX NAME)

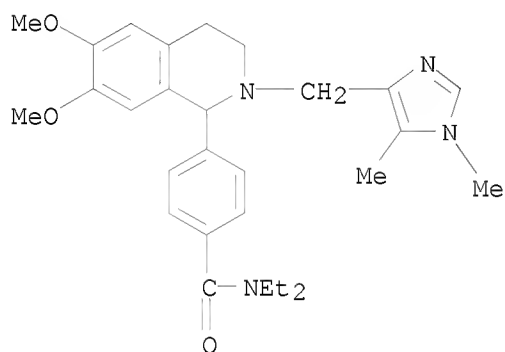


RN 857251-93-5 CAPLUS

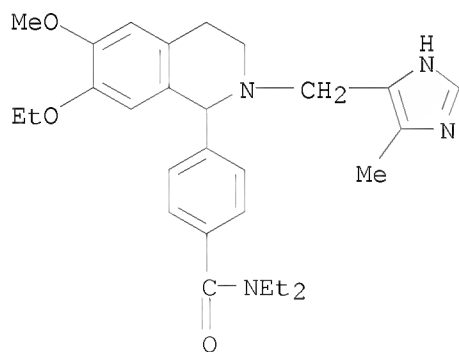
CN Benzamide, 4-[2-[(1,4-dimethyl-1H-imidazol-5-yl)methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



RN 857251-94-6 CAPLUS  
 CN Benzamide, 4-[2-[(1,5-dimethyl-1H-imidazol-4-yl)methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)

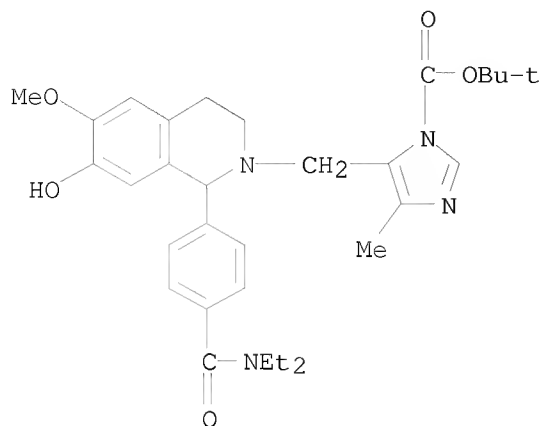


RN 857251-95-7 CAPLUS  
 CN Benzamide, 4-[7-ethoxy-1,2,3,4-tetrahydro-6-methoxy-2-[(4-methyl-1H-imidazol-5-yl)methyl]-1-isoquinolinyl]-N,N-diethyl- (CA INDEX NAME)



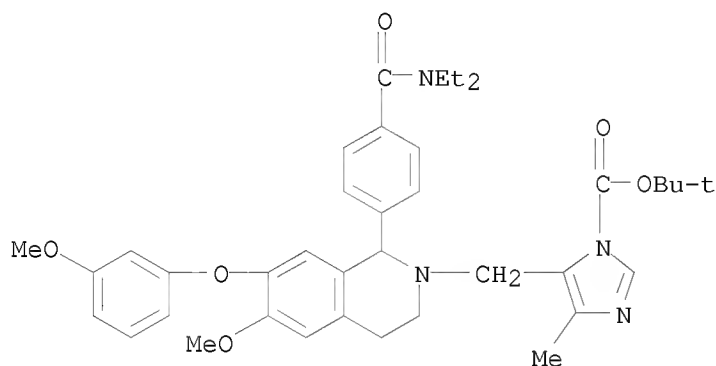
IT 857252-63-2P 857252-64-3P 857252-65-4P  
 857252-66-5P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of 1,2,3,4-tetrahydroisoquinoline derivs. as  $\delta$  receptor ligands)  
 RN 857252-63-2 CAPLUS  
 CN 1H-Imidazole-1-carboxylic acid, 5-[[1-[4-[(diethylamino)carbonyl]phenyl]-

3,4-dihydro-7-hydroxy-6-methoxy-2(1H)-isoquinolinyl[methyl]-4-methyl-,  
1,1-dimethylethyl ester (CA INDEX NAME)



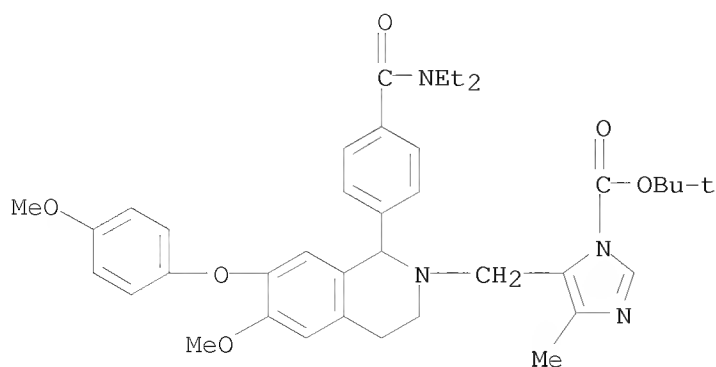
RN 857252-64-3 CAPLUS

CN 1H-Imidazole-1-carboxylic acid, 5-[[1-[4-[(diethylamino)carbonyl]phenyl]-3,4-dihydro-6-methoxy-7-(3-methoxyphenoxy)-2(1H)-isoquinolinyl]methyl]-4-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



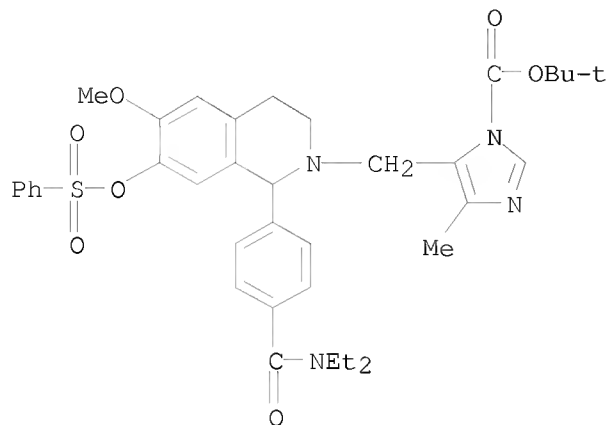
RN 857252-65-4 CAPLUS

CN 1H-Imidazole-1-carboxylic acid, 5-[[1-[4-[(diethylamino)carbonyl]phenyl]-3,4-dihydro-6-methoxy-7-(4-methoxyphenoxy)-2(1H)-isoquinolinyl]methyl]-4-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN

CN



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

20.42

767.52

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-2.46

-2.46

STN INTERNATIONAL LOGOFF AT 16:16:30 ON 21 JAN 2009